Brain-computer interfaces based on visual evoked potentials

DOI: 10.1109/memb.2008.923958
IEEE Engineering in Medicine and Biology Magazine, 2008, 27, 64-71.

#	Paper	IF	Citations
316	A Brain-Actuated Human Computer Interface for Google Search. **2009**,		1
315	A study on relationship between personal feature of EEG and human's characteristic for BCI based on mental state. **2009**,		
314	Adaptive active auditory brain computer interface. **2009**, 2009, 4531-4		2
313	VEP-based brain-computer interfaces: time, frequency, and code modulations [Research Frontier]. **2009**, 4, 22-26		155
312	Brain-computer interface based on high frequency steady-state visual evoked potentials: A feasibility study. **2009**,		8
311	Optimal visual stimuli on LCD screens for SSVEP based brain-computer interfaces. **2009**,		16
310	Evaluation of the Bremen SSVEP based BCI in real world conditions. **2009**,		34
309	An auditory BCI using voluntary mental response. **2009**,		4
308	Use of Phase in Brain□omputer Interfaces based on Steady-State Visual Evoked Potentials. **2010**, 32, 1-9		32
307	An SSVEP-based brain-computer interface for the control of functional electrical stimulation. **2010**, 57, 1847-55		45
306	An auditory brain-computer interface using active mental response. **2010**, 18, 230-5		60
305	Brain-computer interface using water-based electrodes. **2010**, 7, 066007		51
304	Classification of Steady-State Visual Evoked Potentials based on the visual stimuli duty cycle. **2010**,		4
303	Phase synchrony analysis for SSVEP-based BCIs. **2010**,		1
302	Spatial filters to detect steady-state visual evoked potentials elicited by high frequency stimulation: BCI application. **2010**, 55, 173-82		32
301	An improved phase-tagged stimuli generation method in steady-state visual evoked potential based brain-computer interface. **2010**,		6
300	Study on association between user's personality and individual characteristic of left prefrontal pole EEG activity. **2010**,		

299	A survey of stimulation methods used in SSVEP-based BCIs. **2010**, 702357	302
298	Visual stimulus design for high-rate SSVEP BCI. **2010**, 46, 1057	127
297	A high performance SSVEP-BCI without gazing. **2010**,	10
296	Development of a Low-Cost FPGA-Based SSVEP BCI Multimedia Control System. **2010**, 4, 125-32	84
295	Steady-state visually evoked potentials: focus on essential paradigms and future perspectives. **2010**, 90, 418-38	651
294	Toward BCI Wizard - best BCI approach for each user. **2010**, 2010, 4201-4	14
293	Association between ego scores and individual characteristics in EEG analysis: Basic study on individual brain activity. **2010**,	1
292	Study on relationship between personality and individual characteristic of EEG for personalized BCI. **2010**,	2
291	Using SSVEP based brain-computer interface to control functional electrical stimulation training system. **2011**,	2
290	A high rate online SSVEP based brain-computer interface speller. **2011**,	12
289	Decoding arm movements by myoeletric signals and artificial neural networks. **2011**,	6
288	Optimal spatial filtering for the steady state visual evoked potential: BCI application. **2011**,	26
287	Enhancing the classification accuracy of steady-state visual evoked potential-based brain-computer interfaces using phase constrained canonical correlation analysis. **2011**, 8, 036027	71
286	Interfaz Cerebral no Invasiva basada en Potenciales Evocados para el Control de un Brazo Robot. **2011**, 8, 103-111	3
285	A high-speed BCI based on code modulation VEP. **2011**, 8, 025015	153
284	Frequency and phase mixed coding in SSVEP-based brain--computer interface. **2011**, 58, 200-6	124
283	Accounting for phase drifts in SSVEP-based BCIs by means of biphasic stimulation. **2011**, 58, 1394-402	11
282	BCI demographics II: how many (and what kinds of) people can use a high-frequency SSVEP BCI?. **2011**, 19, 232-9	118

281	A Solution to harmonic frequency problem: Frequency and phase coding-based brain-computer interface. **2011**,	1
280	An auditory brain-computer interface using virtual sound field. **2011**, 2011, 4568-71	5
279	An online SSVEP-based chatting system. **2011**,	3
278	SSVEP-based Bremen-BCI interface--boosting information transfer rates. **2011**, 8, 036020	159
277	. **2011**,	9
276	SSVEP-BCI implementation for 37-40 Hz frequency range. **2011**, 2011, 6352-5	11
275	SNR analysis of high-frequency steady-state visual evoked potentials from the foveal and extrafoveal regions of human retina. **2012**, 2012, 1810-4	10
274	A BCI-controlled robotic assistant for quadriplegic people in domestic and professional life. **2012**, 30, 419-431	46
273	Improving the separability of motor imagery EEG signals using a cross correlation-based least square support vector machine for brain-computer interface. **2012**, 20, 526-38	136
272	Implementation of SSVEP based BCI with Emotiv EPOC. **2012**,	48
271	Learning algorithm for self-organizing map classification of electroencephalogram patterns with individual differences. **2012**,	2
270	An open source stimulator for SSVEP-based BCIs. **2012**,	
269	Enhancing the classification accuracy of Steady-State Visual Evoked Potential-based Brain-Computer Interface using Component Synchrony Measure. **2012**,	3
268	Flashing color on the performance of SSVEP-based brain-computer interfaces. **2012**, 2012, 1819-22	9
267	Non-visual and Multisensory BCI Systems: Present and Future. **2012**, 375-393	2
266	Multiple frequencies sequential coding for SSVEP-based brain-computer interface. **2012**, 7, e29519	88
265	Brain computer interfaces, a review. **2012**, 12, 1211-79	1077
264	Zippered release from polymer-gated carbon nanotubes. **2012**, 22, 11503	16

263	Dry and noncontact EEG sensors for mobile brain-computer interfaces. **2012**, 20, 228-35	215
262	Total Design of an FPGA-Based Brain□Computer Interface Control Hospital Bed Nursing System. **2013**, 60, 2731-2739	41
261	Towards Practical Brain-Computer Interfaces. **2013**,	25
260	Robust Brain-computer Interface for virtual Keyboard (RoBIK): Project results. **2013**, 34, 131-138	9
259	Multi-colour stimuli to improve information transfer rates in SSVEP-based brain-computer interfaces. **2013**,	0
258	Integrating interference frequency components elicited by monitor refresh rate to enhance frequency detection of SSVEPs. **2013**,	3
257	A spacecraft game controlled with a brain-computer interface using SSVEP with phase tagging. **2013**,	7
256	Patterned visual stimuli for enhancement of SSVEP-based BCI performance. **2013**,	0
255	Multi-modal interface for communication operated by eye blinks, eye movements, head movements, blowing/sucking and brain waves. **2013**,	4
254	Brain□Computer Interfaces. **2013**, 87-151	70
253	A Brain-Computer Interface Based Security System. **2013**,	0
252	Brain - Computer interface based on Steady - State Visual Evoked Potentials (SSVEP). **2013**,	10
251	Adaptive SSVEP-based BCI system with frequency and pulse duty-cycle stimuli tuning design. **2013**, 21, 697-703	23
250	Decoding Arm Movements by Myoelectric Signal and Artificial Neural Networks. **2013**, 04, 87-93	10
249	Hemodynamic characteristics for improvement of EEG-BCI performance. **2013**,	3
248	Detection of steady-state visual-evoked potential using differential canonical correlation analysis. **2013**,	11
247	SSVEP-based brain-computer interfaces using FSK-modulated visual stimuli. **2013**, 60, 2831-8	50
246	. **2013**, 18, 1170-1181	25

245	An approximation approach for rendering visual flickers in SSVEP-based BCI using monitor refresh rate. **2013**, 2013, 2176-9	4
244	Sampled sinusoidal stimulation profile and multichannel fuzzy logic classification for monitor-based phase-coded SSVEP brain-computer interfacing. **2013**, 10, 036011	64
243	Brain-computer interface based on intermodulation frequency. **2013**, 10, 066009	34
242	Evaluation of EEG features in decoding individual finger movements from one hand. **2013**, 2013, 243257	20
241	An electrocorticographic BCI using code-based VEP for control in video applications: a single-subject study. **2014**, 8, 139	19
240	A high-speed brain speller using steady-state visual evoked potentials. **2014**, 24, 1450019	209
239	A brain-computer interface using binary phase-shift keying visual stimuli. **2014**,	0
238	Phase detection of multi-channel SSVEPs via complex sparse spatial weighting. **2014**,	0
237	Objective evaluation of fatigue by EEG spectral analysis in steady-state visual evoked potential-based brain-computer interfaces. **2014**, 13, 28	91
236	A high-ITR SSVEP-based BCI speller. **2014**, 1, 181-191	143
235	An SSVEP-Based BCI System for SMS in a Mobile Phone. **2014**, 513-517, 412-415	1
234	Enhancing unsupervised canonical correlation analysis-based frequency detection of SSVEPs by incorporating background EEG. **2014**, 2014, 3053-6	11
233	Spatiotemporal sparse Bayesian learning with applications to compressed sensing of multichannel physiological signals. **2014**, 22, 1186-97	65
232	Bimodal BCI using simultaneously NIRS and EEG. **2014**, 61, 1274-84	68
231	Association between psychology and technical education by EEG. **2014**,	1
230	A survey of brain computer interfaces and their applications. **2014**,	13
229	Cluster analysis of CCA coefficients for robust detection of the asynchronous SSVEPs in brain□omputer interfaces. **2014**, 10, 201-208	29
228	Towards a new modality-independent interface for a robotic wheelchair. **2014**, 22, 567-84	53

227	Visual and auditory brain-computer interfaces. **2014**, 61, 1436-47	249
226	Effect of the combination of different numbers of flickering frequencies in an SSVEP-BCI for healthy volunteers and stroke patients. **2015**,	5
225	A dynamic stopping method for improving performance of steady-state visual evoked potential based brain-computer interfaces. **2015**, 2015, 1057-60	10
224	Steady state visual evoked potentials-based patient interface under breathing constraints. **2015**,	
223	11.1: Invited Paper: Brain-Display Interaction and Its Biomedical Application Using Steady-State Visual Evoked Potentials. **2015**, 46, 122-125	1
222	EEG resolutions in detecting and decoding finger movements from spectral analysis. **2015**, 9, 308	11
221	A Comparison Study of Canonical Correlation Analysis Based Methods for Detecting Steady-State Visual Evoked Potentials. **2015**, 10, e0140703	147
220	Research on High-Frequency Combination Coding-Based SSVEP-BCIs and Its Signal Processing Algorithms. **2015**, 2015, 1-12	4
219	Classification of steady state visual evoked potentials by Multi-Class T-Weight Method. **2015**, 25, 321-326	
218	Enhancing performances of SSVEP-based brain-computer interfaces via exploiting inter-subject information. **2015**, 12, 046006	68
217	Comparative analysis of strategies for feature extraction and classification in SSVEP BCIs. **2015**, 21, 34-42	43
216	Research on steady-state visual evoked potentials in 3D displays. **2015**,	1
215	The Effect of Prior Gaming Experience in Motor Imagery Training for Brain-Computer Interfaces: A Pilot Study. **2015**,	3
214	Biomedical Engineering Systems and Technologies. **2015**,	0
213	Towards SSVEP-based, portable, responsive Brain-Computer Interface. **2015**, 2015, 1095-8	3
212	. **2015**,	
211	. **2015**,	
210	Alpha band dependency of EEG signal on different stimulation of brain for human computer interaction. **2015**,	0

209	Maximally reliable spatial filtering of steady state visual evoked potentials. **2015**, 109, 63-72	38
208	Filter bank canonical correlation analysis for implementing a high-speed SSVEP-based brain-computer interface. **2015**, 12, 046008	288
207	. **2015**,	2
206	Multi-phase cycle coding for SSVEP based brain-computer interfaces. **2015**, 14, 5	16
205	Literature review of brain computer interface (BCI) using Electroencephalogram signal. **2015**,	11
204	Investigating the robustness of constant and variable period graphics in eliciting steady state visual evoked potential signals using Emotiv EPOC, MATLAB, and Adobe after effects. **2015**,	1
203	Visual Stimulus Background Effects on SSVEP-Based BCI Towards a Practical Robot Car Control. **2015**, 12, 1550014	3
202	High-speed spelling with a noninvasive brain-computer interface. **2015**, 112, E6058-67	433
201	Online brain-computer interface controlling robotic exoskeleton for gait rehabilitation. **2015**,	4
200	Visual fatigue effects on Steady State Visual Evoked Potential-based Brain Computer Interfaces. **2015**,	7
199	A multi-channel SSVEP-based BCI for computer games with analogue control. **2015**,	7
198	SSVEP recognition using common feature analysis in brain-computer interface. **2015**, 244, 8-15	76
197	Adaptive time-window length based on online performance measurement in SSVEP-based BCIs. **2015**, 149, 93-99	28
196	Brain□omputer Interface. **2016**,	2
195	Influence of Error Rate on Frustration of BCI Users. **2016**,	4
194	Foundations of Augmented Cognition: Neuroergonomics and Operational Neuroscience. **2016**,	1
193	Telepresence control of humanoid robot via high-frequency phase-tagged SSVEP stimuli. **2016**,	1
192	Session-to-Session Transfer in Detecting Steady-State Visual Evoked Potentials with Individual Training Data. **2016**, 253-260	15

191	Sparse spatial filtering in frequency domain of multi-channel EEG for frequency and phase detection. **2016**,	
190	Ferromagnetic particles as magnetic resonance imaging temperature sensors. **2016**, 7, 12415	28
189	Human Robot Interaction Interface. **2016**, 257-301	1
188	Investigating colour effect in stimulating brain oscillations for BCI systems. **2016**,	2
187	A Wireless BCI-Controlled Integration System in Smart Living Space for Patients. **2016**, 88, 395-412	21
186	Context-aware adaptive spelling in motor imagery BCI. **2016**, 13, 036018	24
185	Investigating brain signal peaks vs electroencephalograph electrode placement using multicolour 10Hz flickering graphics stimulation for Brain-computer Interface development. **2016**,	1
184	Multiple Frequency Effects on Human-Brain Based Steady-State Visual Evoked Potential (SSVEP). **2016**,	0
183	Motor priming in virtual reality can augment motor-imagery training efficacy in restorative brain-computer interaction: a within-subject analysis. **2016**, 13, 69	57
182	Medical Applications of BCIs for Patient Communication. **2016**, 43-63	
181	Brain Computer Interfaces for Human Computer Interaction. **2016**, 251-269	
180	Motor imagery based brain computer interface using transform domain features. **2016**, 2016, 6421-6424	1
179	Usability and Cost-effectiveness in Brain-Computer Interaction. **2016**,	13
178	A Visual Attention Monitor Based on Steady-State Visual Evoked Potential. **2016**, 24, 399-408	12
177	An Online Brain-Computer Interface Based on SSVEPs Measured From Non-Hair-Bearing Areas. **2017**, 25, 11-18	39
176	Unsupervised frequency-recognition method of SSVEPs using a filter bank implementation of binary subband CCA. **2017**, 14, 026007	20
175	Asynchronous control of unmanned aerial vehicles using a steady-state visual evoked potential-based brain computer interface. **2017**, 4, 122-135	12
174	Can I Think of Something Else when Using a BCI?. **2017**,	6

173	Polychromatic SSVEP stimuli with subtle flickering adapted to brain-display interactions. **2017**, 14, 016018	21
172	A Novel framework of EEG-based user identification by analyzing music-listening behavior. **2017**, 76, 25581-25602	32
171	myBrain: a novel EEG embedded system for epilepsy monitoring. **2017**, 41, 564-585	12
170	Investigating stimuli graphics' size and resolution performance in Steady State Visual Evoked Potential. **2017**,	2
169	A Benchmark Dataset for SSVEP-Based Brain-Computer Interfaces. **2017**, 25, 1746-1752	136
168	Novel non-contact control system of electric bed for medical healthcare. **2017**, 55, 517-526	2
167	EEG correlates of video game experience and user profile in motor-imagery-based brain□omputer interaction. **2017**, 33, 533-546	26
166	Independent component analysis-based spatial filtering improves template-based SSVEP detection. **2017**, 2017, 3620-3623	4
165	Study of electroencephalogram feature extraction and classification of three tasks of motor imagery. **2017**,	0
164	Does frequency resolution affect the classification performance of steady-state visual evoked potentials?. **2017**,	3
163	A Synchronous Motor Imagery Based Neural Physiological Paradigm for Brain Computer Interface Speller. **2017**, 11, 274	18
162	Novel spatial filter for SSVEP-based BCI: A generated reference filter approach. **2018**, 96, 98-105	10
161	EEG-based emotion recognition utilizing wavelet coefficients. **2018**, 77, 27089-27106	11
160	Complex sparse spatial filter for decoding mixed frequency and phase coded steady-state visually evoked potentials. **2018**, 304, 1-10	1
159	Enhancing Detection of SSVEPs for a High-Speed Brain Speller Using Task-Related Component Analysis. **2018**, 65, 104-112	271
158	Flexible Graphene Solution-Gated Field-Effect Transistors: Efficient Transducers for Micro-Electrocorticography. **2018**, 28, 1703976	67
157	Research on Brain Control Technology for Wheelchair. **2018**, 232, 03056	0
156	Optimizing Phase Intervals for Phase-Coded SSVEP-Based BCIs With Template-Based Algorithm. **2018**,	

155	Hybrid Brain-Computer Interface Systems: Approaches, Features, and Trends. **2018**,	0
154	A Novel Instantaneous Phase Detection Approach and Its Application in SSVEP-Based Brain-Computer Interfaces. **2018**, 18,	5
153	Waveform-Based Multi-Stimulus Coding for Brain-Computer Interfaces Based on Steady-State Visual Evoked Potentials. **2018**,	3
152	Gumpy: a Python toolbox suitable for hybrid brain-computer interfaces. **2018**, 15, 065003	19
151	Use of Sine Shaped High-Frequency Rhythmic Visual Stimuli Patterns for SSVEP Response Analysis and Fatigue Rate Evaluation in Normal Subjects. **2018**, 12, 201	7
150	Enhancing Performance and Bit Rates in a Brain-Computer Interface System With Phase-to-Amplitude Cross-Frequency Coupling: Evidences From Traditional c-VEP, Fast c-VEP, and SSVEP Designs. **2018**, 12, 19	4
149	Multivariate empirical mode decomposition and multiscale entropy analysis of EEG signals from SSVEP-based BCI system. **2018**, 122, 40010	2
148	Binocular Phase-Coded Visual Stimuli for SSVEP-Based BCI. **2019**, 7, 48912-48922	3
147	Training -Free Steady-State Visual Evoked Potential Brain-Computer Interface Based on Filter Bank Canonical Correlation Analysis and Spatiotemporal Beamforming Decoding. **2019**, 27, 1714-1723	12
146	Optimizing Spatial Contrast of a New Checkerboard Stimulus for Eliciting Robust SSVEPs. **2019**,	2
145	A Four-Class Phase-Coded SSVEP BCI at 60Hz Using Refresh Rate. **2019**, 2019, 6331-6334	4
144	Brain Computer Interface Switch Based on Quasi-Steady-State Visual Evoked Potentials. **2019**,	1
143	A BCI Gaze Sensing Method Using Low Jitter Code Modulated VEP. **2019**, 19,	1
142	Fully portable and wireless universal brain–machine interfaces enabled by flexible scalp electronics and deep learning algorithm. **2019**, 1, 412-422	58
141	Effects of stimulation frequency and stimulation waveform on steady-state visual evoked potentials using a computer monitor. **2019**, 16, 066007	12
140	Introducing chaotic codes for the modulation of code modulated visual evoked potentials (c-VEP) in normal adults for visual fatigue reduction. **2019**, 14, e0213197	10
139	A Subject-Transfer Study on Detecting c-VEP. **2019**,	
138	Trans Humeral Prosthesis Based on sEMG and SSVEP-EEG Signals*. **2019**,	2

137	Electrode channel optimisation method for steady-state visual evoked potentials. **2019**, 2019, 8632-8636	1
136	Analysis of EEG Frequency Components and an Examination of Electrodes Localization during Speech Imagery. **2019**, 2019, 4698-4702	0
135	EEG-Based Brain-Computer Interfaces. **2019**, 1101, 41-65	12
134	Independent component analysis for a low-channel SSVEP-BCI. **2019**, 22, 47-62	10
133	Towards BCI-Based Interfaces for Augmented Reality: Feasibility, Design and Evaluation. **2020**, 26, 1608-1621	35
132	Robustness analysis of decoding SSVEPs in humans with head movements using a moving visual flicker. **2019**, 17, 016009	3
131	A Single-Channel Consumer-Grade EEG Device for Brain□Computer Interface: Enhancing Detection of SSVEP and Its Amplitude Modulation. **2020**, 20, 3366-3378	20
130	Design of an Online Brain-Computer Interface System Based on Field Programmable Gate Array. **2020**, 1624, 042061	1
129	A new time coding approach for CTVEP-based brain-computer interface. **2020**, 20, 743-757	
128	Filter bank temporally local canonical correlation analysis for short time window SSVEPs classification. **2020**, 14, 689-696	5
127	Statistically Optimized Spatial Filtering in Decoding Steady-State Visual Evoked Potentials Based on Task-Related Component Analysis. **2020**, 2020, 3070-3073	1
126	EEG Signal Classification Using Convolutional Neural Networks on Combined Spatial and Temporal Dimensions for BCI Systems. **2020**, 2020, 434-437	4
125	Changes of EEG phase synchronization and EOG signals along the use of steady state visually evoked potential-based brain computer interface. **2020**, 17, 045006	5
124	Detection of SSVEP based on empirical mode decomposition and power spectrum peaks analysis. **2020**, 40, 1010-1021	1
123	Review on motor imagery based BCI systems for upper limb post-stroke neurorehabilitation: From designing to application. **2020**, 123, 103843	39
122	Implementing Over 100 Command Codes for a High-Speed Hybrid Brain-Computer Interface Using Concurrent P300 and SSVEP Features. **2020**, 67, 3073-3082	52
121	Spatial Filtering in SSVEP-Based BCIs: Unified Framework and New Improvements. **2020**, 67, 3057-3072	29
120	Tiny noise, big mistakes: adversarial perturbations induce errors in brain-computer interface spellers. **2021**, 8, nwaa233	11

119	International Conference on Mobile Computing and Sustainable Informatics. **2021**,	1
118	. **2021**, 1-1	0
117	. **2021**, 9, 129820-129829	0
116	Trial Regeneration With Subband Signals for Motor Imagery Classification in BCI Paradigm. **2021**, 9, 7632-7642	2
115	An Open Dataset for Wearable SSVEP-Based Brain-Computer Interfaces. **2021**, 21,	6
114	Boosting template-based SSVEP decoding by cross-domain transfer learning. **2020**,	10
113	An Introductory Tutorial on Brain Computer Interfaces and Their Applications. **2021**, 10, 560	11
112	A Novel SSVEP-based Word Speller Based on Sliding Multi-Window Strategy. **2021**,	1
111	A novel monitor for practical brain-computer interface applications based on visual evoked potential. **2021**, 8, 1-13	0
110	Developmental characteristics of visual evoked potentials to different stimulation in normal children. **2021**, 1-11	
109	A comfortable steady state visual evoked potential stimulation paradigm using peripheral vision. **2021**, 18,	5
108	Does Inter-Stimulus Distance Influence the Decoding Performance of SSVEP and SSMVEP BCI?. **2021**,	1
107	A Comparison Study of Single- and Multiple-Target Stimulation Methods for Eliciting Steady-State Visual Evoked Potentials. **2021**,	
106	Classification of SSVEP-based BCIs using Genetic Algorithm. **2021**, 8,	
105	Evaluating Steady-State Visually Evoked Potentials-Based Brain-Computer Interface System Using Wavelet Features and Various Machine Learning Methods.	6
104	Detection and classification of long-latency own-name auditory evoked potential from electroencephalogram. **2021**, 68, 102724	0
103	Group ensemble learning enhances the accuracy and convenience of SSVEP-based BCIs via exploiting inter-subject information. **2021**, 68, 102797	2
102	A hybrid environment control system combining EMG and SSVEP signal based on brain-computer interface technology. **2021**, 3, 1	

101	An embedded lightweight SSVEP-BCI electric wheelchair with hybrid stimulator. **2021**, 116, 103101	12
100	Estimating brain periodic sources activities in steady-state visual evoked potential using local fourier independent component analysis. **2022**, 71, 103162	2
99	Brain□Computer Interfaces. **2020**, 131-183	20
98	Practical Designs of Brain□Computer Interfaces Based on the Modulation of EEG Rhythms. **2009**, 137-154	8
97	Multiple AM Modulated Visual Stimuli in Brain-Computer Interface. **2009**, 683-689	1
96	Brain-Computer Interface (BCI): Types, Processing Perspectives and Applications. **2010**, 299-321	17
95	Auditory Brain-Computer Interfaces for Complete Locked-In Patients. **2011**, 378-385	6
94	Online BCI Implementation of High-Frequency Phase Modulated Visual Stimuli. **2011**, 645-654	9
93	On Possibility of Stimulus Parameter Selection for SSVEP-Based Brain-Computer Interface. **2011**, 57-64	1
92	SSVEP-Based Brain-Computer Interface: On the Effect of Stimulus Parameters on VEPs Spectral Characteristics. **2012**, 3-14	5
91	Phase Detection of Visual Evoked Potentials Applied to Brain Computer Interfacing. **2012**, 269-280	1
90	An SSVEP-Based BCI with Adaptive Time-Window Length. **2013**, 305-314	4
89	Visual Stimulus Background Effects on SSVEP-Based Brain-Computer Interface. **2013**, 453-462	1
88	Optimizing a dual-frequency and phase modulation method for SSVEP-based BCIs. **2020**, 17, 046026	8
87	Capturing Pictures from Human Vision Using SSVEP and Lock-in Amplifier. **2020**,	1
86	A collaborative brain-computer interface for improving human performance. **2011**, 6, e20422	82
85	Generating visual flickers for eliciting robust steady-state visual evoked potentials at flexible frequencies using monitor refresh rate. **2014**, 9, e99235	60
84	Brain-Computer Interface for Persons with Motor Disabilities - A Review. **2019**, 13, 127-133	5

83	Duraan Durum Gsel Uyaran Potansiyellerinden Fourier Dnm ile Farkl Komutun Kestirimi.	2
82	. **2010**, 30, 407	48
81	Waveform-Coded Steady-State Visual Evoked Potentials for Brain-Computer Interfaces. **2021**, 9, 144768-144775	
80	A Cell-Phone Based Brain-Computer Interface for Communication in Daily Life. **2010**, 233-240	5
79	Nascent Access Technologies for Individuals with Severe Motor Impairments. **2011**, 16-35	
78	SSVEP Based Brain-Computer Interface Controlled Functional Electrical Stimulation System for Knee Joint Movement. **2012**, 526-535	
77	Interindividual Difference Analysis in Prefrontal Cortex EEGs Based on the Relationship with Personality. **2012**, 16, 443-450	0
76	A Mobile Brain-Computer Interface for Freely Moving Humans. **2013**, 448-453	2
75	Voraussetzungen. **2014**, 1-50	
74	A Robust Asynchronous SSVEP Brain- Computer Interface Based on Cluster Analysis of Canonical Correlation Coefficients. **2014**, 3-14	2
73	A Review on Visual Brain Computer Interface. **2015**, 193-206	5
72	Using Illumination Changes to Synchronize Eye Tracking in Visual Paradigms. **2015**, 289-298	
71	Reducing the computational cost of a classifier by subtracting the dual-class features. **2017**,	1
70	An Electroencephalogram Analysis Method to Detect Preference Patterns Using Gray Association Degrees and Support Vector Machines. **2018**, 3, 105-108	
69	Emotiv Epoc ile Duraan Hal Gsel Uyarm Potansiyel Temelli Beyin Bilgisayar Aray Uygulamas **2019**, 8, 158-166	1
68	Matching pursuit algorithm for enhancing EEG signal quality and increasing the accuracy and efficiency of emotion recognition. **2020**, 65, 393-404	
67	A novel motion coupling coding method for brain-computer interfaces. **2020**, 65, 531-541	
66	On Improvement of Target Recognition eCCA Method Based on SSVEP. **2021**, 742-749	0

65	Introduction of brain computer interface to neurologists. **2021**, 23, 92-98	
64	. **2021**, 1-1	1
63	Novel method of multi-frequency flicker to stimulate SSVEP and frequency recognition. **2022**, 71, 103243	0
62	A Fast SSVEP-Based Brain-Computer Interface. **2020**, 49-60	
61	Effect of Channel and Reference Selection on a Non-occipital Steady-State Visual Evoked Potential-Based Brain-Computer Interface. **2021**,	
60	The Application of Brain-computer Interface (BCI) based Functional Electrical Stimulation (FES). **2021**, 2065, 012006	
59	Emergence of flexible technology in developing advanced systems for post-stroke rehabilitation: a comprehensive review. **2021**, 18,	3
58	Nascent Access Technologies for Individuals with Severe Motor Impairments. 720-739	
57	How do factors of comfort, concentration, and eye fatigue affect the performance of a BCI system based on SSVEP?. **2021**,	0
56	Artificial Intelligence Algorithms in Visual Evoked Potential-Based Brain-Computer Interfaces for Motor Rehabilitation Applications: Systematic Review and Future Directions.. **2021**, 15, 772837	2
55	A CNN-based multi-target fast classification method for AR-SSVEP. **2021**, 105042	4
54	Frequency Recognition from Temporal and Frequency Depth of the Brain-Computer Interface based on Steady-State Visual Evoked Potentials. **2021**, 68-73	7
53	A Hybrid Brain-Computer Interface Based on Visual Evoked Potential and Pupillary Response.. **2022**, 16, 834959	1
52	Enhancing detection of SSVEP-based BCIs via a novel CCA-based method. **2022**, 74, 103482	1
51	BCI Illiteracy: It Us, Not Them. Optimizing BCIs for Individual Brains. **2022**,	2
50	Effects of inter-stimulus intervals on concurrent P300 and SSVEP features for hybrid brain-computer interfaces.. **2022**, 372, 109535	0
49	Color classification of visually evoked potentials by means of Hermite functions. **2021**,	
48	A Novel Approach to Decode Covert Spatial Attention Using SSVEP and Single-Frequency Phase-Coded Stimuli. **2021**, 2021, 5694-5699	

47	Oscillatory Source Tensor Discriminant Analysis (OSTDA): A regularized tensor pipeline for SSVEP-based BCI systems. **2021**,	0
46	Optimizing a left and right visual field biphasic stimulation paradigm for SSVEP-based BCIs with hairless region behind the ear. **2021**,	
45	Evaluation of Wigner-Ville Distribution Features to Estimate Steady-State Visual Evoked Potentials' Stimulation Frequency. **2021**, 133-136	4
44	Normalized Canonical Correlation Analysis for Calibrating the Background EEG Activity in SSVEP Detection. **2021**,	
43	A Novel Low Training Cost SSVEP Detector Design. **2021**,	
42	Image_1.PDF. **2018**,	
41	Image_2.PDF. **2018**,	
40	Image_3.PDF. **2018**,	
39	Image_4.PDF. **2018**,	
38	Image_5.PDF. **2018**,	
37	Image_6.PDF. **2018**,	
36	Image_7.PDF. **2018**,	
35	Table_1.DOCX. **2018**,	
34	Table_2.DOCX. **2018**,	
33	Table_3.DOCX. **2018**,	
32	Table_4.DOCX. **2018**,	
31	Table_5.DOCX. **2018**,	
30	Data_Sheet_1.DOCX. **2018**,	

29	DSCNN: Dilated Shuffle CNN model for SSVEP signal classification. **2022**, 1-1	0
28	Investigating the Effect of Flickering Frequency Pair and Mother Wavelet Selection in Steady-State Visually-Evoked Potentials on Two-Command Brain-Computer Interfaces. **2022**,	3
27	Analysis of cognitive evoked potentials to classificate patients with chronic pain. **2022**,	
26	The effect of stimulus number on the recognition accuracy and information transfer rate of SSVEP-BCI in augmented reality.. **2022**,	3
25	Reprint of: An embedded lightweight SSVEP-BCI electric wheelchair with hybrid stimulator. **2022**, 125, 103573	
24	An extended binary subband canonical correlation analysis detection algorithm oriented to the radial contraction-expansion motion steady-state visual evoked paradigm. **2022**, 8, 19-37	0
23	Effect of background luminance of visual stimulus on elicited steady-state visual evoked potentials. **2022**, 8, 50-56	2
22	A CNN-Based Deep Learning Approach for SSVEP Detection Targeting Binaural Ear-EEG. **2022**, 16,	0
21	IENet: a robust convolutional neural network for EEG based brain-computer interfaces.	2
20	EEG-based vibrotactile evoked brain-computer interfaces system: A systematic review. **2022**, 17, e0269001	1
19	Visual stimulus color effect on SSVEP-BCI in augmented reality. **2022**, 78, 103906	
18	Bidirectional Siamese correlation analysis method for enhancing the detection of SSVEPs. **2022**, 19, 046027	2
17	Minimally Invasive Local-Skull Electrophysiological Modification With Piezoelectric Drill. **2022**, 30, 2042-2051	0
16	A Binocular Vision SSVEP Brain-Computer Interface Paradigm for Dual-Frequency Modulation. **2022** , 1-11	1
15	AI-based Bayesian inference scheme to recognize electroencephalogram signals for smart healthcare.	0
14	Fixed Template Network and Dynamic Template Network: novel network designs for decoding steady-state visual evoked potentials.	1
13	EEG channel selection based on sequential backward floating search for motor imagery classification. 16,	0
12	On the feasibility of simple brain-computer interface systems for enabling children with severe physical disabilities to explore independent movement. 16,	1

11	CCA-Based Compressive Sensing for SSVEP-Based Brain-Computer Interfaces to Command a Robotic Wheelchair. **2022**, 71, 1-10	0
10	Review of brain□omputer interface based on steady-state visual evoked potential. **2022**, 8, 258-275	1
9	Optimization of Stimulus Color for SSVEP-Based Brain-Computer Interfaces in Mixed Reality. **2023**, 183-191	0
8	A Novel Turbo Detector Design for a High-Speed SSVEP-Based Brain Speller. **2022**, 11, 4231	0
7	Independent bilateral-eye stimulation for gaze pattern recognition based on steady-state pupil light reflex.	0
6	A Critical Survey of EEG-based BCI Systems for Applications in Industrial Internet of Things. **2022**, 1-1	0
5	Improving the SSMVEP Detection Performance by Introducing a Secondary Discriminant Mechanism. **2021**,	0
4	A deep learning method for classification of steady-state visual evoked potentials in a brain-computer interface speller. 1-16	0
3	Principal component analysis and manifold learning techniques for the design of brain-computer interfaces based on steady-state visually evoked potentials. **2023**, 68, 102000	0
2	On the Effect of Size and Contrast of the SSVEP Visual Stimuations on Classification Accuracy and User-Friendliness in Virtual Reality. **2023**,	0
1	Cognitive-switch detection for un-cued SSVEP BCI speller. **2023**,	0