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Towards high performance and efficient brain computer interface character speller : convolutional neural network based methods

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List of Publications

1. **Hongchang Shan**, Yu Liu, and Todor Stefanov,
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2. **Hongchang Shan**, and Todor Stefanov,
"SLES: A Novel CNN-based Method for Sensor Reduction in P300 Speller,"
In *Proceedings of the 41st Annual International Conference of the IEEE Engineering in Medicine and Biology Society (EMBC'19)*, pp. 3026-3031, Berlin, Germany, July 23-27, 2019.
3. **Hongchang Shan**, and Todor Stefanov,
"A Novel Sensor Selection Method based on Convolutional Neural Network for P300 Speller in Brain Computer Interface",
The 56th ACM/IEEE Design Automation Conference (DAC'19) WIP session, Las Vegas, NV, USA, June 2-6, 2019.
4. **Hongchang Shan**, Yu Liu, and Todor Stefanov,
"Ensemble of Convolutional Neural Networks for P300 Speller in Brain Computer Interface",
In *Proceedings of the 28th International Conference on Artificial Neural Networks (ICANN'19)*, pp. 376-394, Munich, Germany, September 17-19, 2019.
5. **Hongchang Shan**, Yu Liu, and Todor Stefanov,
"An Empirical Study on Sensor-aware Design of Convolutional Neural Networks for P300 Speller in Brain Computer Interface,"
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