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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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In *Proceedings of the 27th International Joint Conference on Artificial Intelligence (IJCAI'18)*, pp. 1604-1610, Stockholm, Sweden, July 13-19, 2018.
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",  
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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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