

The top 5 most cited papers in 2022:

- [Recent Advances in End-to-End Automatic Speech Recognition](#) - Jinyu Li
- [An Overview of Compressible and Learnable Image Transformation with Secret Key and its Applications](#) - Hitoshi Kiya, April Pyone Maung Maung, Yuma Kinoshita, Shoko Imaizumi and Sayaka Shiota
- [On Supervised Feature Selection from High Dimensional Feature Spaces](#) - Yijing Yang, Wei Wang, Hongyu Fu and C.-C. Jay Kuo
- [Deep Unsupervised Domain Adaptation: A Review of Recent Advances and Perspectives](#) - Xiaofeng Liu, Chaehwa Yoo, Fangxu Xing, Hyejin Oh, Georges El Fakhri, Je-Won Kang and Jonghye Woo
- [Onoma-to-wave: Environmental Sound Synthesis from Onomatopoeic Words](#) - Yuki Okamoto, Keisuke Imoto, Shinnosuke Takamichi, Ryosuke Yamanishi, Takahiro Fukumori and Yoichi Yamashita

The top 10 downloaded papers in 2022:

- [Recent Advances in End-to-End Automatic Speech Recognition](#) - Jinyu Li
- [Deep Unsupervised Domain Adaptation: A Review of Recent Advances and Perspectives](#) - Xiaofeng Liu, Chaehwa Yoo, Fangxu Xing, Hyejin Oh, Georges El Fakhri, Je-Won Kang and Jonghye Woo
- [The Future of Video Coding](#) - Nam Ling, C.-C. Jay Kuo, Gary J. Sullivan, Dong Xu, Shan Liu, Hsueh-Ming Hang, Wen-Hsiao Peng and Jiaying Liu
- [Recent Advances on Non-Line-of-Sight Imaging: Conventional Physical Models, Deep Learning, and New Scenes](#) - Ruixu Geng, Yang Hu and Yan Chen
- [An Overview of Compressible and Learnable Image Transformation with Secret Key and its Applications](#) - Hitoshi Kiya, April Pyone Maung Maung, Yuma Kinoshita, Shoko Imaizumi and Sayaka Shiota
- [End-to-end Japanese Multi-dialect Speech Recognition and Dialect Identification with Multi-task Learning](#) - Ryo Imaizumi, Ryo Masumura, Sayaka Shiota and Hitoshi Kiya
- [Bridging Gap between Image Pixels and Semantics via Supervision: A Survey](#) - Jiali Duan and C.-C. Jay Kuo
- [The Future of Computer Vision](#) - Jingjing Meng, Xilin Chen, Jürgen Gall, Chang-Su Kim, Zicheng Liu, Alessandro Piva and Junsong Yuan
- [Adjoint Bilateral Filter and Its Application to Optimization-based Image Processing](#) - Keiichiro Shirai, Kenjiro Sugimoto and Sei-ichiro Kamata
- [Onoma-to-wave: Environmental Sound Synthesis from Onomatopoeic Words](#) - Yuki Okamoto, Keisuke Imoto, Shinnosuke Takamichi, Ryosuke Yamanishi, Takahiro Fukumori and Yoichi Yamashita

The top 5 most cited papers since launch:

- [A tutorial survey of architectures, algorithms, and applications for deep learning](#) - Li Deng
- [Recent advances on active noise control: open issues and innovative applications](#) - Yoshinobu Kajikawa, Woon-Seng Gan and Sen M. Kuo
- [An overview on video forensics](#) - Simone Milani, Marco Fontani, Paolo Bestagini, Mauro Barni, Alessandro Piva, Marco Tagliasacchi and Stefano Tubaro
- [Environmental sound recognition: a survey](#) - Sachin Chachada and C.-C. Jay Kuo
- [Evaluating word embedding models: methods and experimental results](#) - Bin Wang, Angela Wang, Fenxiao Chen, Yuncheng Wang and C.-C. Jay Kuo