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Journal articles

1. [Linearly-Involved Moreau-Enhanced-Over-Subspace Model: Debiased Sparse Modeling and Stable Outlier-Robust Regression](#)

Masahiro Yukawa, Hiroyuki Kaneko, **Kyohei Suzuki**, and Isao Yamada

IEEE Trans. Signal Processing, vol.71, pp. 1232--1247, 2023

2. [Sparse Stable Outlier-Robust Signal Recovery Under Gaussian Noise](#)

Kyohei Suzuki and Masahiro Yukawa

IEEE Trans. Signal Processing, vol.71, pp. 372--387, 2023

3. [Robust recovery of jointly-sparse signals using minimax concave loss function](#)

Kyohei Suzuki and Masahiro Yukawa

IEEE Trans. Signal Processing, vol.69, pp. 669--681, 2021 (Publication: December 2020)

Peer-Reviewed Conference Proceedings

1. External Division of Two Proximity Operators: An Application to Signal Recovery with Structured Sparsity

Kyohei Suzuki and Masahiro Yukawa

in Proceedings of IEEE International Conference on Acoustics, Speech, and Signal Processing (ICASSP), April 2024, Seoul, Korea, to be presented.

2. [Stable Robust Regression under Sparse Outlier and Gaussian Noise](#)

Masahiro Yukawa, **Kyohei Suzuki**, Isao Yamada

in Proceedings of European Signal Processing Conference (EUSIPCO), pp.2236--2240, August--September 2022

3. [Sparse Stable Outlier-Robust Regression with Minimax Concave Function](#)

Kyohei Suzuki and Masahiro Yukawa

in Proceedings of IEEE International Workshop on Machine Learning for Signal Processing (MLSP), 6 pages, August 2022

4. [On Grouping Effect of Sparse Stable Outlier-Robust Regression](#)

Kyohei Suzuki and Masahiro Yukawa

in Proceedings of IEEE International Workshop on Machine Learning for Signal Processing (MLSP), 6 pages, August 2022

5. [Robust jointly-sparse signal recovery based on minimax concave loss function](#)

Kyohei Suzuki and Masahiro Yukawa

in Proceedings of European Signal Processing Conference (EUSIPCO), pp. 2070--2074, January 2021

Non-Peer-Reviewed Articles

1. Debiased Estimation of Signals with Structured Sparsity Based on External Division of Two Proximity Operators

Kyohei Suzuki and Masahiro Yukawa

Proc. IEICE Signal Processing Symposium, 6 pages, Kyoto, Japan, Nov. 2023.

2. Multiscale Manifold Clustering and Embedding with Multiple Kernels

Kyohei Suzuki and Masahiro Yukawa

Proc. Technical Report of IEICE, pp.276--281, Okinawa, Mar. 2023

3. Sparse Stable Outlier-Robust Regression Using Minimax Concave Function

Kyohei Suzuki and Masahiro Yukawa

Proc. IEICE Signal Processing Symposium, pp.96--101, Zoom (fully virtual), Nov. 2021

4. A Robust Approach to Jointly-Sparse Signal Recovery Based on Minimax Concave Loss Function

Kyohei Suzuki and Masahiro Yukawa

Proc. Technical Report of IEICE, vol. 119, no. 440, IEICE-SIP2019-124, pp. 123--128, Okinawa (Conference cancelled), Mar. 2020