You can also find the articles on my Google Scholar profile. See also T2R2.

Preprint

1. **K. Suzuki** and K. Slavakis, "Nonconvex Regularization for Feature Selection in Reinforcement Learning," arXiv:2509.15652, 2025.

Journal Articles

1. **K. Suzuki** and M. Yukawa, "External Division of Two Proximity Operators---Part II: Generalization and Properties," *IEEE Trans. Signal Process.*, vol. , pp. , 2025, accepted for publication. (Early Access version)
2. **K. Suzuki** and M. Yukawa, "External Division of Two Proximity Operators---Part I: Debiased Feature Grouping," *IEEE Trans. Signal Process.*, vol. , pp. , 2025, accepted for publication. (Early Access version)
3. M. Yukawa, H. Kaneko, **K. Suzuki**, and I. Yamada, "Linearly-Involved Moreau-Enhanced-Over-Subspace Model: Debiased Sparse Modeling and Stable Outlier-Robust Regression," *IEEE Trans. Signal Process.*, vol. 71, pp. 1232–1247, 2023.
4. **K. Suzuki** and M. Yukawa, "Sparse Stable Outlier-Robust Signal Recovery Under Gaussian Noise," *IEEE Trans. Signal Process.*, vol. 71, pp. 372–387, 2023.
5. **K. Suzuki** and M. Yukawa, "Robust Recovery of Jointly-Sparse Signals Using Minimax Concave Loss Function," *IEEE Trans. Signal Process.*, vol. 69, pp. 669–681, 2021 (publication: Dec. 2020).

Peer-Reviewed Conference Proceedings

1. **K. Suzuki** and M. Yukawa, "A discrete measure for debiased feature grouping: A limit of Moreau-enhanced OSCAR regularizer and its proximity operator," in *Proc. Eur. Signal Process. Conf. (EUSIPCO)*, pp.2467–2471, Palermo, Italy, 2025.
2. **K. Suzuki** and M. Yukawa, "External Division of Two Proximity Operators: An Application to Signal Recovery with Structured Sparsity," in *Proc. IEEE Int. Conf. Acoust., Speech, Signal Process. (ICASSP)*, Seoul, Korea, pp. 9471–9475, Apr. 2024.
3. M. Yukawa, **K. Suzuki**, and I. Yamada, "Stable Robust Regression under Sparse Outlier and Gaussian Noise," in *Proc. Eur. Signal Process. Conf. (EUSIPCO)*, pp. 2236–2240, Aug.–Sep. 2022.
4. **K. Suzuki** and M. Yukawa, "Sparse Stable Outlier-Robust Regression with Minimax Concave Function," in *Proc. IEEE Int. Workshop Mach. Learn. Signal Process. (MLSP)*, 6 pages, Aug. 2022.
5. **K. Suzuki** and M. Yukawa, "On Grouping Effect of Sparse Stable Outlier-Robust Regression," in *Proc. IEEE Int. Workshop Mach. Learn. Signal Process. (MLSP)*, 6 pages, Aug. 2022.
6. **K. Suzuki** and M. Yukawa, "Robust Jointly-Sparse Signal Recovery Based on Minimax Concave Loss Function," in *Proc. Eur. Signal Process. Conf. (EUSIPCO)*, pp. 2070–2074, Jan. 2021.

Non-Peer-Reviewed Articles

1. **K. Suzuki** and K. Slavakis, "Feature Selection in Reinforcement Learning via Projected Minimax Concave Penalty," in *Proc. IEICE Signal Processing Symposium*, Ibaraki, Japan, 6 pages, Nov. 2025.
2. **K. Suzuki** and M. Yukawa, "On the Proximity Operator of the Lower-semicontinuous 1-weakly-convex Envelope of a Marginal Function," in *Proc. IEICE Signal Processing Symposium*, Ibaraki, Japan, 6 pages, Nov. 2025.

3. **K. Suzuki** and M. Yukawa, “Bias Reduction for Feature Grouping Based on a Limit of Moreau-Enhanced OSCAR Regularizer,” in *Proc. IEICE Signal Processing Symposium*, Sapporo, Japan, 6 pages, Dec. 2024.
4. T. Okuda, **K. Suzuki**, and M. Yukawa, “Sparse Signal Recovery Based on Continuous Relaxation of Reversely Ordered Weighted ℓ_1 Shrinkage Operator,” in *Proc. IEICE Signal Processing Symposium*, Sapporo, Japan, 6 pages, Dec. 2024.
5. **K. Suzuki** and M. Yukawa, “Debiased Estimation of Signals with Structured Sparsity Based on External Division of Two Proximity Operators,” in *Proc. IEICE Signal Processing Symposium*, Kyoto, Japan, 6 pages, Nov. 2023.
6. **K. Suzuki** and M. Yukawa, “Multiscale Manifold Clustering and Embedding with Multiple Kernels,” *IEICE Tech. Rep.*, vol. 122, no. 388, SIP2022-167, pp. 276–281, Okinawa, Japan, Mar. 2023.
7. **K. Suzuki** and M. Yukawa, “Sparse Stable Outlier-Robust Regression Using Minimax Concave Function,” in *Proc. IEICE Signal Processing Symposium*, pp. 96–101, virtual (Zoom), Nov. 2021.
8. **K. Suzuki** and M. Yukawa, “A Robust Approach to Jointly-Sparse Signal Recovery Based on Minimax Concave Loss Function,” *IEICE Tech. Rep.*, vol. 119, no. 440, SIP2019-124, pp. 123–128, Okinawa, Japan (conference cancelled), Mar. 2020.

Doctoral Dissertation

1. **K. Suzuki**, “A study of robust debiasing methods for sparse modeling: Moreau enhancement and beyond,” Doctoral dissertation, Keio University, Sept. 2024.