

# 10 Selected Publications

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1. E Blåsten, H Isozaki, M Lassas, and J Lu. “Gelfand’s Inverse Problem for the Graph Laplacian”. In: *Journal of Spectral Theory* 13.1 (2023), pp. 1–45. DOI: [10.4171/jst/455](https://doi.org/10.4171/jst/455)
2. ELK Blåsten and H Liu. “Scattering By Curvatures, Radiationless Sources, Transmission Eigenfunctions, and Inverse Scattering Problems”. In: *SIAM Journal on Mathematical Analysis* 53.4 (2021), pp. 3801–3837. DOI: [10.1137/20m1384002](https://doi.org/10.1137/20m1384002)
3. F Zouari, M Louati, S Meniconi, E Blåsten, MS Ghidaoui, and B Brunone. “Experimental Verification of the Accuracy and Robustness of Area Reconstruction Method for Pressurized Water Pipe System”. In: *Journal of Hydraulic Engineering* 146.3 (2020), p. 04020004. DOI: [10.1061/\(asce\)hy.1943-7900.0001674](https://doi.org/10.1061/(asce)hy.1943-7900.0001674)
4. E Blåsten, L Tzou, and JN Wang. “Uniqueness for the Inverse Boundary Value Problem With Singular Potentials in 2d”. In: *Mathematische Zeitschrift* 295.3 (Aug. 2020), pp. 1521–1535. ISSN: 1432-1823. DOI: [10.1007/s00209-019-02436-0](https://doi.org/10.1007/s00209-019-02436-0)
5. E Blåsten and H Liu. “Recovering Piecewise Constant Refractive Indices By a Single Far-Field Pattern”. In: *Inverse Problems* 36.8 (Aug. 2020), p. 085005. ISSN: 1361-6420. DOI: [10.1088/1361-6420/ab958f](https://doi.org/10.1088/1361-6420/ab958f)
6. F Zouari, E Blåsten, M Louati, and MS Ghidaoui. “Internal Pipe Area Reconstruction As a Tool for Blockage Detection”. In: *Journal of Hydraulic Engineering* 145.6 (June 2019), p. 04019019. ISSN: 1943-7900. DOI: [10.1061/\(asce\)hy.1943-7900.0001602](https://doi.org/10.1061/(asce)hy.1943-7900.0001602)
7. E Blåsten. “Nonradiating Sources and Transmission Eigenfunctions Vanish At Corners and Edges”. In: *SIAM Journal on Mathematical Analysis* 50.6 (Jan. 2018), pp. 6255–6270. ISSN: 1095-7154. DOI: [10.1137/18m1182048](https://doi.org/10.1137/18m1182048)
8. E Blåsten and H Liu. “On Vanishing Near Corners of Transmission Eigenfunctions”. In: *Journal of Functional Analysis* 273.11 (Dec. 2017), pp. 3616–3632. ISSN: 0022-1236. DOI: [10.1016/j.jfa.2017.08.023](https://doi.org/10.1016/j.jfa.2017.08.023)
9. E Blåsten, O Imanuvilov, and M Yamamoto. “Stability and Uniqueness for a Two-Dimensional Inverse Boundary Value Problem for Less Regular Potentials”. In: *Inverse Problems and Imaging* 9.3 (July 2015), pp. 709–723. ISSN: 1930-8337. DOI: [10.3934/ipi.2015.9.709](https://doi.org/10.3934/ipi.2015.9.709)
10. E Blåsten, L Päivärinta, and J Sylvester. “Corners Always Scatter”. In: *Communications in Mathematical Physics* 331.2 (Apr. 2014), pp. 725–753. ISSN: 1432-0916. DOI: [10.1007/s00220-014-2030-0](https://doi.org/10.1007/s00220-014-2030-0)