

- Publications: 15                      total citations: 194                      h-index: 6                      (according to Scopus)
- [2021b] N. Benedikter, P. T. Nam, M. Porta, B. Schlein, and R. Seiringer. Bosonization of Fermionic Many-Body Dynamics. *arXiv:2103.08224 [math-ph]*, preprint, 2021.
- [2021a] N. Benedikter, P. T. Nam, M. Porta, B. Schlein, and R. Seiringer. Correlation Energy of a Weakly Interacting Fermi Gas. *arXiv:2005.08933 [math-ph]*, *Inventiones Mathematicae*, 2021. <https://doi.org/10.1007/s00222-021-01041-5>  
not yet listed by Scopus
- [2020b] N. Benedikter. Bosonic collective excitations in Fermi gases. *Reviews in Mathematical Physics*, 33(01):2060009, 2020.  
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- [2020a] N. Benedikter, P. T. Nam, M. Porta, B. Schlein, and R. Seiringer. Optimal Upper Bound for the Correlation Energy of a Fermi Gas in the Mean-Field Regime. *Communications in Mathematical Physics*, 374(3):2097–2150, 2020.  
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- [2017b] N. Benedikter. Interaction Corrections to Spin-Wave Theory in the Large-S Limit of the Quantum Heisenberg Ferromagnet. *Mathematical Physics, Analysis and Geometry*, 20(2):5, 2017.  
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- [2017a] D. Golze, N. Benedikter, M. Iannuzzi, J. Wilhelm, and J. Hutter. Fast evaluation of solid harmonic Gaussian integrals for local resolution-of-the-identity methods and range-separated hybrid functionals. *The Journal of Chemical Physics*, 146(3):034105, 2017.  
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- [2015b] N. Benedikter, M. Porta, and B. Schlein. *Effective Evolution Equations from Quantum Dynamics*. Number 7 in SpringerBriefs in Mathematical Physics. Springer, Cham, 2015.  
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- [2015a] N. Benedikter, G. de Oliveira, and B. Schlein. Quantitative Derivation of the Gross-Pitaevskii Equation. *Communications on Pure and Applied Mathematics*, 68(8):1399–1482, 2015.  
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- [2014d] N. Benedikter, M. Porta, and B. Schlein. Mean-field dynamics of fermions with relativistic dispersion. *Journal of Mathematical Physics*, 55(2):021901, 2014.  
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- [2014c] N. Benedikter, M. Porta, and B. Schlein. Hartree-Fock dynamics for weakly interacting fermions. In *Mathematical Results in Quantum Mechanics (Proceedings of the QMath12 Conference)*, pages 177–189. World Scientific, 2014.  
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- [2014b] N. Benedikter. Deriving the Gross-Pitaevskii equation. In *Mathematical Results in Quantum Mechanics (Proceedings of the QMath12 Conference)*, pages 207–212. World Scientific, 2014.  
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- [2014a] N. Benedikter, M. Porta, and B. Schlein. Mean-Field Evolution of Fermionic Systems. *Communications in Mathematical Physics*, 331(3):1087–1131, 2014.  
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