

Publications of FOR 2692 (20.02.2026)

Peer-Reviewed Publications

- [1] M. Kempa, M. Kraft, S. Nandy, J. Herbrych, J. Wang, J. Gemmer, and R. Steinigeweg, *Phys. Rev. B* **113**, 064431 (2026).
- [2] L. Beckemeyer, M. Kraft, M. Kempa, D. Schuricht, and R. Steinigeweg, *Phys. Rev. B* **113**, 064415 (2026).
- [3] M. Füllgraf, J. Wang, R. Steinigeweg, and J. Gemmer, *Phys. Rev. Lett.* **135**, 250401 (2025).
- [4] H. Dick and T. Dahm, *Electron. Struct.* **7**, 047001 (2025).
- [5] U. Ali, M. Holthaus, and T. Meier, *Phys. Rev. Research* **7**, 013141 (2025).
- [6] S. Seligmann and M. Holthaus, *Phys. Rev. Research* **7**, 033168 (2025).
- [7] S. Seligmann, H. K. Kelardeh, and M. Holthaus, *Phys. Rev. Research* **7**, 043013 (2025).
- [8] J. Wang, T. Prosen, and G. Casati, *Phys. Rev. E* **112**, L032201 (2025).
- [9] J. Eckseler, M. Pieper, and J. Schnack, *Phys. Rev. E* **112**, 025306 (2025).
- [10] M. Kempa, M. Kraft, J. Wang, and R. Steinigeweg, *Phys. Rev. E* **112**, 024113 (2025).
- [11] M. Kraft, M. Kempa, J. Wang, S. Nandy, and R. Steinigeweg, *Phys. Rev. B* **112**, 054417 (2025).
- [12] M. Daumann and T. Dahm, *Phys. Rev. B* **112**, L020304 (2025).
- [13] S. D. Linz, J. Wang, R. Steinigeweg, and J. Gemmer, *Phys. Rev. B* **112**, 024301 (2025).
- [14] S. Schweers, G. M. Schütz, and P. Maass, *J. Chem. Phys.* **162**, 164110 (2025).
- [15] J. Wang, M. Füllgraf, and J. Gemmer, *Phys. Rev. Lett.* **135**, 010403 (2025).
- [16] J. Wang and P. Strasberg, *Phys. Rev. Lett.* **134**, 220401 (2025).
- [17] L. Capizzi, J. Wang, X. Xu, L. Mazza, and D. Poletti, *Phys. Rev. X* **15**, 011059 (2025).
- [18] H.-J. Schmidt and T. Bröcker, *Found. Phys.* **55**, 45 (2025).
- [19] H.-J. Schmidt, *Z. Naturforsch. A*, ahead of print (2025).
- [20] P. Reimann and C. Eidecker-Dunkel, *Phys. Rev. B* **111**, 054312 (2025).
- [21] M. Füllgraf, J. Wang, and J. Gemmer, *Phys. Rev. E* **111**, 024140 (2025).
- [22] J. Eckseler and J. Schnack, *Phys. Rev. Research* **7**, 013178 (2025).
- [23] M. Kraft, M. Kempa, J. Wang, and R. Steinigeweg, *Phys. Rev. B* **111**, 064420 (2025).
- [24] L. Dabelow and P. Reimann, *Phys. Rev. B* **110**, 144308 (2024).
- [25] J. Richter, H.-J. Schmidt, and J. Schnack, *J. Phys.: Condens. Matter* **37**, 015804 (2024).
- [26] U. Ali, M. Holthaus, and T. Meier, *New J. Phys.* **26**, 123016 (2024).
- [27] J. Wang, J. Richter, M. H. Lamann, R. Steinigeweg, J. Gemmer, and A. Dymarsky, *Phys. Rev. E* **110**, L032203 (2024).
- [28] J. Wang, M. H. Lamann, R. Steinigeweg, and J. Gemmer, *Phys. Rev. B* **110**, 104413 (2024).
- [29] C. Bartsch, M. H. Lamann, J. Wang, R. Steinigeweg, and J. Gemmer, *Phys. Rev. E* **110**, 024126 (2024).
- [30] M. Gembé, L. Gresista, H.-J. Schmidt, C. Hickey, Y. Iqbal, and S. Trebst, *Phys. Rev. B* **110**, 085151 (2024).
- [31] P. Reimann and C. Eidecker-Dunkel, *Phys. Rev. B* **110**, 014306 (2024).
- [32] S. Schweers, D. F. Locher, G. M. Schütz, and P. Maass, *Phys. Rev. Lett.* **132**, 167101 (2024).
- [33] M. Kraft et al., *Phys. Rev. Research* **6**, 023251 (2024).
- [34] M. Daumann and T. Dahm, *New J. Phys.* **26**, 063001 (2024).

- [35] N. Reichert, H. Schlüter, T. Heitmann, J. Richter, R. Rausch, and J. Schnack, *Z. Naturforsch. A* **79**, 283 (2024).
- [36] H.-J. Schmidt and J. Richter, *J. Phys. A: Math. Theor.* **57**, 185001 (2024).
- [37] H.-J. Schmidt and T. Bröcker, *Eur. J. Phys.* **45**, 035205 (2024).
- [38] L. Dabelow and P. Reimann, *Nat. Comm.* **15**, 294 (2024).
- [39] U. Ali, M. Holthaus, and T. Meier, *Phys. Rev. Research* **5**, 043152 (2023).
- [40] J. Wang and J. Gemmer, *Phys. Rev. E* **108**, 064133 (2023).
- [41] M. Gembé, H.-J. Schmidt, C. Hickey, J. Richter, Y. Iqbal, and S. Trebst, *Phys. Rev. Research* **5**, 043204 (2023).
- [42] T. Heitmann et al., *Phys. Rev. B* **108**, L201119 (2023).
- [43] P. Reimann, P. Vorndamme, and J. Schnack, *Phys. Rev. Research* **5**, 043040 (2023).
- [44] P. Strasberg, A. Winter, J. Gemmer, and J. Wang, *Phys. Rev. A* **108**, 012225 (2023).
- [45] C. Eidecker-Dunkel and P. Reimann, *Phys. Rev. B* **108**, 054407 (2023).
- [46] F. Johannesmann, J. Ecksele, H. Schlüter, and J. Schnack, *Phys. Rev. B* **108**, 064304 (2023).
- [47] T. Heitmann, J. Richter, J. Herbrych, J. Gemmer, and R. Steinigeweg, *Phys. Rev. E* **108**, 024102 (2023).
- [48] M. Daumann, R. Steinigeweg, and T. Dahm, *Phys. Rev. B* **108**, 045129 (2023).
- [49] H.-J. Schmidt and C. Schröder, *Few-Body Syst.* **64**, 16 (2023).
- [50] K. Irländer and J. Schnack, *Phys. Rev. Research* **5**, 013192 (2023).
- [51] H.-J. Schmidt and J. Gemmer, *Entropy* **25**, 504 (2023).
- [52] M. H. Lamann and J. Gemmer, *Phys. Rev. E* **106**, 054148 (2022).
- [53] H.-J. Schmidt and J. Richter, *J. Phys. A Math. Theor.* **55**, 465005 (2022).
- [54] S. Rosmej and M. Heerwagen, *Phys. Rev. E* **105**, 054147 (2022).
- [55] T. Heitmann, J. Richter, F. Jin, K. Michielsen, H. De Raedt, and R. Steinigeweg, *Phys. Rev. Research* **4**, 043147 (2022).
- [56] R. Heveling, J. Wang, C. Bartsch, and J. Gemmer, *J. Phys. Commun.* **6**, 085009 (2022).
- [57] R. Heveling, J. Wang, and J. Gemmer, *Phys. Rev. E* **106**, 014152 (2022).
- [58] H.-J. Schmidt and C. Schröder, *Z. Naturforsch. A* **77**, 1099 (2022).
- [59] D. Pister, K. Irländer, D. Westerbeck, and J. Schnack, *Phys. Rev. Research* **4**, 033221 (2022).
- [60] R. Heveling, J. Wang, R. Steinigeweg, and J. Gemmer, *Phys. Rev. E* **125**, 064112 (2022).
- [61] J. Wang, M. H. Lamann, J. Richter, R. Steinigeweg, A. Dymarsky, and J. Gemmer, *Phys. Rev. Lett.* **128**, 180601 (2022).
- [62] L. Dabelow, P. Vorndamme, and P. Reimann, *Phys. Rev. B* **105**, 024310 (2022).
- [63] T. Heitmann, J. Richter, J. Gemmer, and R. Steinigeweg, *Phys. Rev. E* **104**, 054145 (2021).
- [64] P. Reimann, *J. Stat. Mech.: Theory Exp.*, 103106 (2021).
- [65] D. Lips, R. L. Stoop, P. Maass, and P. Tierno, *Commun. Phys.* **4**, 224 (2021).
- [66] N. Krüger and M. Holthaus, *Phys. Rev. Research* **3**, 043133 (2021).
- [67] O. R. Diermann, *Z. Naturforsch. A* **76**, 1165 (2021).
- [68] H. Schlüter, F. Gayk, H.-J. Schmidt, A. Honecker, and J. Schnack, *Z. Naturforsch. A* **76**, 823 (2021).
- [69] P. Vorndamme, H.-J. Schmidt, C. Schröder, and J. Schnack, *New J. Phys.* **23**, 083038 (2021).
- [70] D. Schubert, J. Richter, F. Jin, K. Michielsen, H. De Raedt, and R. Steinigeweg, *Phys. Rev. B* **104**, 054415 (2021).

- [71] H.-J. Schmidt, J. Schnack, and J. Gemmer, *Z. Naturforsch. A* **76**, 731 (2021).
- [72] L. Knipschild, A. Engel, and J. Gemmer, *Phys. Rev. E* **103**, 062139 (2021).
- [73] K. Irländer, H.-J. Schmidt, and J. Schnack, *Eur. Phys. J. B* **94**, 68 (2021).
- [74] H.-J. Schmidt, J. Schnack, and M. Holthaus, *Appl. Anal.* **100**, 992 (2021).
- [75] H.-J. Schmidt, *Entropy* **23**, 289 (2021).
- [76] P. Reimann and L. Dabelow, *Phys. Rev. E* **103**, 022119 (2021).
- [77] L. Dabelow and P. Reimann, *J. Stat. Mech.: Theory Exp.*, 023216 (2021).
- [78] N. Krüger, *Z. Naturforsch. A* **75**, 855 (2020).
- [79] B. Bertini, F. Heidrich-Meisner, C. Karrasch, T. Prosen, R. Steinigeweg, and M. Žnidarič, *Rev. Mod. Phys.* **93**, 025003 (2021).
- [80] H.-J. Schmidt and J. Gemmer, *J. Phys.: Conf. Ser.* **1638**, 012007 (2020).
- [81] J. Richter, A. Dymarsky, R. Steinigeweg, and J. Gemmer, *Phys. Rev. E* **102**, 042127 (2020).
- [82] H.-J. Schmidt, *Found. Phys.* **50**, 1480 (2020).
- [83] J. Richter, T. Heitmann, and R. Steinigeweg, *SciPost Phys.* **9**, 031 (2020).
- [84] H.-J. Schmidt, *Z. Naturforsch. A* **75**, 937 (2020).
- [85] O. Derzhko, J. Schnack, D. V. Dmitriev, V. Y. Krivnov, and J. Richter, *Eur. Phys. J. B* **93**, 161 (2020).
- [86] D. Voráč, P. Maass, and A. Ryabov, *J. Phys. Chem. Lett.* **11**, 6887 (2020).
- [87] M. Heerwagen and A. Engel, *Phys. Rev. E* **102**, 022121 (2020).
- [88] L. Dabelow, P. Vorndamme, and P. Reimann, *Phys. Rev. Research* **2**, 033210 (2020).
- [89] K. Irländer and J. Schnack, *Phys. Rev. B* **102**, 054407 (2020).
- [90] T. Heitmann, J. Richter, T. Dahm, and R. Steinigeweg, *Phys. Rev. B* **102**, 045137 (2020).
- [91] R. Heveling, L. Knipschild, and J. Gemmer, *J. Phys. A: Math. Theor.* **53**, 375303 (2020).
- [92] J. Richter, F. Jin, L. Knipschild, H. De Raedt, K. Michielsens, J. Gemmer, and R. Steinigeweg, *Phys. Rev. E* **101**, 062133 (2020).
- [93] P. Reimann and J. Gemmer, *Physica A* **552**, 121840 (2020).
- [94] L. Dabelow and P. Reimann, *Phys. Rev. Research* **2**, 023216 (2020).
- [95] O. R. Diermann, H.-J. Schmidt, J. Schnack, and M. Holthaus, *Phys. Rev. Research* **2**, 023293 (2020).
- [96] P. Chvosta, D. Lips, V. Holubec, A. Ryabov, and P. Maass, *J. Phys. A: Math. Theor.* **53**, 275001 (2020).
- [97] R. Heveling, L. Knipschild, and J. Gemmer, *Phys. Rev. X* **10**, 028001 (2020).
- [98] L. Knipschild and J. Gemmer, *Phys. Rev. E* **101**, 062205 (2020).
- [99] L. Dabelow and P. Reimann, *Phys. Rev. Lett.* **124**, 120602 (2020).
- [100] P. Reimann, B. N. Balz, J. Richter, and R. Steinigeweg, *Phys. Rev. B* **101**, 094302 (2020).
- [101] R. Heveling, L. Knipschild, and J. Gemmer, *Z. Naturforsch. A* **75**, 475 (2020).
- [102] P. Reimann and L. Dabelow, *Z. Naturforsch. A* **75**, 403 (2020).
- [103] M. Engbers, M. Heerwagen, S. Rosmej, and A. Engel, *Z. Naturforsch. A* **75**, 433 (2020).
- [104] S. Tilleke, M. Daumann, and T. Dahm, *Z. Naturforsch. A* **75**, 393 (2020).
- [105] D. Lips, A. Ryabov, and P. Maass, *Z. Naturforsch. A* **75**, 449 (2020).
- [106] H.-J. Schmidt, *Z. Naturforsch. A* **75**, 381 (2020).
- [107] J. Schnack, J. Richter, T. Heitmann, J. Richter, and R. Steinigeweg, *Z. Naturforsch. A* **75**, 465 (2020).
- [108] T. Heitmann, J. Richter, D. Schubert, and R. Steinigeweg, *Z. Naturforsch. A* **75**, 421 (2020).

- [109] J. Richter, D. Schubert, and R. *Steinigeweg*, *Phys. Rev. Research* **2**, 013130 (2020).
- [110] J. *Schnack*, J. Richter, and R. *Steinigeweg*, *Phys. Rev. Research* **2**, 013186 (2020).
- [111] H.-J. *Schmidt* and J. *Gemmer*, *Z. Naturforsch. A* **75**, 265 (2020).
- [112] P. Vorndamme and J. *Schnack*, *Phys. Rev. B* **101**, 075101 (2020).
- [113] O. R. Diermann and M. *Holthaus*, *Sci. Rep.* **9**, 17614 (2019).
- [114] H.-J. *Schmidt*, *J. Stat. Mech.*, 043204 (2020).
- [115] H.-J. *Schmidt*, J. *Schnack*, and M. *Holthaus*, *Phys. Rev. E* **100**, 042141 (2019).
- [116] J. Richter, N. Casper, W. Brenig, and R. *Steinigeweg*, *Phys. Rev. B* **100**, 144423 (2019).
- [117] J. Richter, M. H. Lamann, C. Bartsch, R. *Steinigeweg*, and J. *Gemmer*, *Phys. Rev. E* **100**, 032124 (2019).
- [118] O. R. Diermann, H. Frerichs, and M. *Holthaus*, *Phys. Rev. E* **100**, 012102 (2019).
- [119] D. Lips, A. Ryabov, and P. *Maass*, *Phys. Rev. E* **100**, 052121 (2019).
- [120] J. *Schnack*, *Contemp. Phys.* **60**, 127 (2019).
- [121] R. Heveling, J. Richter, and J. *Schnack*, *J. Magn. Magn. Mater.* **487**, 165327 (2019).
- [122] J. Richter, J. *Gemmer*, and R. *Steinigeweg*, *Phys. Rev. E* **99**, 050104(R) (2019).
- [123] J. Richter, F. Jin, L. Knipschild, J. Herbrych, H. *De Raedt*, K. *Michielsen*, J. *Gemmer*, and R. *Steinigeweg*, *Phys. Rev. B* **99**, 144422 (2019).
- [124] P. *Reimann*, *New J. Phys.* **21**, 053014 (2019).
- [125] B. N. Balz, J. Richter, J. *Gemmer*, R. *Steinigeweg*, and P. *Reimann*, in *Thermodynamics in the Quantum Regime*, Vol. 195, Fundamental Theories of Physics (Springer, 2019), p. 413.
- [126] T. Heitmann and J. *Schnack*, *Phys. Rev. B* **99**, 134405 (2019).
- [127] J. Richter and R. *Steinigeweg*, *Phys. Rev. B* **99**, 094419 (2019).
- [128] A. Ryabov, D. Lips, and P. *Maass*, *J. Phys. Chem. C* **123**, 5714 (2019).
- [129] P. *Reimann* and L. Dabelow, *Phys. Rev. Lett.* **122**, 080603 (2019).
- [130] L. Knipschild and J. *Gemmer*, *Phys. Rev. A* **99**, 012118 (2019).
- [131] P. *Reimann* and J. *Gemmer*, *Phys. Rev. E* **99**, 012126 (2019).
- [132] J. Richter and R. *Steinigeweg*, *Phys. Rev. E* **99**, 012114 (2019).
- [133] P. *Maass*, M. Dierl, and M. Wolff, in *Diffusive Spreading in Nature, Technology and Society* (Springer, 2018), p. 147.
- [134] L. Knipschild and J. *Gemmer*, *Phys. Rev. E* **98**, 062103 (2018).
- [135] D. Lips, A. Ryabov, and P. *Maass*, *Phys. Rev. Lett.* **121**, 160601 (2018).
- [136] J. Richter, J. Herbrych, and R. *Steinigeweg*, *Phys. Rev. B* **98**, 134302 (2018).
- [137] H.-J. *Schmidt*, *Z. Naturforsch. A* **73**, 705 (2018).
- [138] D. Schmidtke, L. Knipschild, M. Campisi, R. *Steinigeweg*, and J. *Gemmer*, *Phys. Rev. E* **98**, 012123 (2018).
- [139] P. *Reimann*, *Phys. Rev. Lett.* **120**, 230601 (2018).
- [140] P. *Reimann*, *Phys. Rev. E* **97**, 062129 (2018).
- [141] J. Richter, F. Jin, H. *De Raedt*, K. *Michielsen*, J. *Gemmer*, and R. *Steinigeweg*, *Phys. Rev. B* **97**, 174430 (2018).
- [142] B. Bakhti, D. Boukari, M. Karbach, P. *Maass*, and G. Müller, *Phys. Rev. E* **97**, 042131 (2018).

Preprints

- [143] P. Strasberg, J. Schindler, J. Wang, and A. Winter, [arXiv:2601.19703](https://arxiv.org/abs/2601.19703) (2026).
- [144] M. Füllgraf, J. Wang, J. *Gemmer*, and S. Kehrein, [arXiv:2601.13255](https://arxiv.org/abs/2601.13255) (2026).

- [145] M. Kempa, M. Kraft, R. *Steinigeweg*, J. *Gemmer*, and J. Wang, [arXiv:2601.10211 \(2026\)](#).
- [146] R. Mishra, J. Wang, S. Pappalardi, and L. V. Delacrétaz, [arXiv:2512.11198 \(2025\)](#).
- [147] W.-g. Wang, Q. Li, J. Wang, and X. Wang, [arXiv:2512.07016 \(2025\)](#).
- [148] M. Füllgraf, J. *Gemmer*, and J. Wang, [arXiv:2511.11333 \(2025\)](#).
- [149] N. Nessi and P. *Reimann*, [arXiv:2510.24521 \(2025\)](#).
- [150] P. *Reimann* and N. Nessi, [arXiv:2510.06795 \(2025\)](#).
- [151] J. Wang, L. Capizzi, D. Poletti, and L. Mazza, [arXiv:2509.04098 \(2025\)](#).
- [152] H. Schlüter, J. *Schnack*, and J. Eckseler, [arXiv:2507.05009 \(2025\)](#).
- [153] J. Wang, H. Yan, R. *Steinigeweg*, and J. *Gemmer*, [arXiv:2506.09011 \(2025\)](#).
- [154] J. Wang, R. Mishra, T.-H. Yang, L. V. Delacrétaz, and S. Pappalardi, [arXiv:2505.06869 \(2025\)](#).
- [155] H.-J. *Schmidt*, [arXiv:2408.03086 \(2024\)](#).
- [156] H.-J. *Schmidt*, [arXiv:2211.00368 \(2022\)](#).
- [157] H.-J. *Schmidt*, [arXiv:2109.04841 \(2021\)](#).
- [158] H.-J. *Schmidt*, [arXiv:2106.03513 \(2021\)](#).
- [159] H.-J. *Schmidt*, [arXiv:1910.02444 \(2019\)](#).
- [160] J. *Gemmer*, L. Knipschild, and R. *Steinigeweg*, [arXiv:1712.02128 \(2017\)](#).