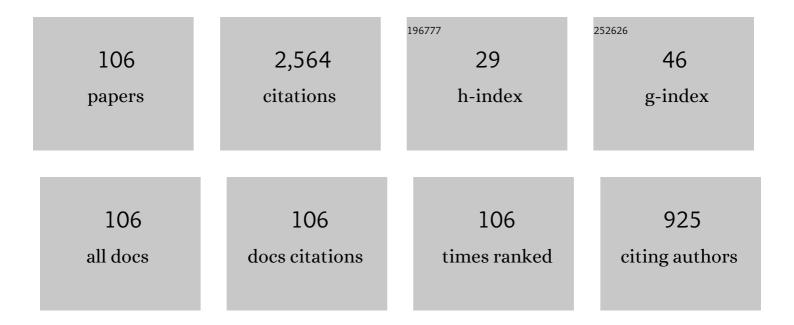
List of Publications by Year in descending order

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KAV LÄODC WHESE

| #  | Article  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Depinning and flow of a vortex line in a uniaxial random medium. Physical Review B, 2022, 105, .   | 1.1 | 2         |
| 2  | Mean-field theories for depinning and their experimental signatures. Physical Review E, 2021, 103, 052114.   | 0.8 | 5         |
| 3  | Functionals of fractional Brownian motion and the three arcsine laws. Physical Review E, 2021, 104, 054112.<br>Fractal dimension of critical curves in the <mml:math< td=""><td>0.8</td><td>8</td></mml:math<>   | 0.8 | 8         |
| 4  | xmlns:mml="http://www.w3.org/1998/Math/MathML"> <mml:mrow><mml:mi>O</mml:mi><mml:mo>(-symmetric <mml:math<br>xmlns:mml="http://www.w3.org/1998/Math/MathML"&gt;<mml:msup><mml:mi>i+</mml:mi><mml:mn>4model and crossover exponent at 6-loop order: Loop-erased random walks, self-avoiding walks, Ising,</mml:mn></mml:msup></mml:math<br></mml:mo></mml:mrow>   |     |           |
| 5  | <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mro. 101,<br="" 2020,="" e,="" physical="" review="">Span Observables: "When is a Foraging Rabbit No Longer Hungry?â€: Journal of Statistical Physics, 2020,<br/>178, 625-643.</mml:mro.></mml:math>   | 0.5 | 5         |
| 6  | Extreme events for fractional Brownian motion with drift: Theory and numerical validation. Physical Review E, 2020, 102, 022102.   | 0.8 | 11        |
| 7  | Sampling first-passage times of fractional Brownian motion using adaptive bisections. Physical Review E, 2020, 101, 043312.  | 0.8 | 8         |
| 8  | Universal force correlations in an RNA-DNA unzipping experiment. Physical Review Research, 2020, 2, .  | 1.3 | 6         |
| 9  | Field theories for loop-erased random walks. Nuclear Physics B, 2019, 946, 114696.   | 0.9 | 9         |
| 10 | Distribution of velocities in an avalanche, and related quantities: Theory and numerical verification.<br>Europhysics Letters, 2019, 127, 46001.   | 0.7 | 4         |
| 11 | First passage in an interval for fractional Brownian motion. Physical Review E, 2019, 99, 032106.  | 0.8 | 14        |
| 12 | Behavior of random RNA secondary structures near the glass transition. Physical Review E, 2019, 99, 022415.<br>022415.<br>Occuming Transition of Charge-Density Waves: Mapping onto smml:math  | 0.8 | 2         |
| 13 | xmins:mml="http://www.w3.org/1998/Math/Math/MathML" display="inline"> <mml:mi>O</mml:mi> <mml:mo<br>stretchy="false"&gt;(<mml:mi>n</mml:mi><mml:mo stretchy="false">)</mml:mo><br/>Symmetric <mml:math <br="" xmlns:mml="http://www.w3.org/1998/Math/MathML">display="inline"&gt;<mml:msup><mml:mi>i•</mml:mi><mml:mn>4</mml:mn></mml:msup></mml:math><br/>Theory with <mml:math <="" td="" xmlns:mml="http://www.w3.org/1998/Math/MathML"><td>2.9</td><td>7</td></mml:math></mml:mo<br> | 2.9 | 7         |
| 14 | Theory with summements summer "http://www.wbiorg/1990/Math/Math/Mc<br>display="inline"> <mml:mr<br>Generalized Arcsine Laws for Fractional Brownian Motion. Physical Review Letters, 2018, 120, 040603.</mml:mr<br>  | 2.9 | 37        |
| 15 | Hausdorff dimension of the record set of a fractional Brownian motion. Electronic Communications in Probability, 2018, 23, .   | 0.1 | 4         |
| 16 | Field theory of disordered elastic interfaces at 3-loop order: The β-function. Nuclear Physics B, 2018,<br>932, 540-588.   | 0.9 | 6         |
| 17 | Field theory of disordered elastic interfaces at 3-loop order: Critical exponents and scaling functions. Nuclear Physics B, 2018, 932, 589-618.  | 0.9 | 7         |
| 18 | Pickands' constant at first order in an expansion around Brownian motion. Journal of Physics A:<br>Mathematical and Theoretical, 2017, 50, 16LT04.   | 0.7 | 8         |

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|----|---|-----|-----------|
| 19 | Spatial shape of avalanches. Physical Review E, 2017, 96, 062116.   | 0.8 | 8         |
| 20 | Avalanches in tip-driven interfaces in random media. Europhysics Letters, 2016, 113, 10002.   | 0.7 | 10        |
| 21 | Extreme-value statistics of fractional Brownian motion bridges. Physical Review E, 2016, 94, 052105.  | 0.8 | 28        |
| 22 | Universal correlations between shocks in the ground state of elastic interfaces in disordered media.<br>Physical Review E, 2016, 94, 012110.                                      | 0.8 | 6         |
| 23 | Dynamical selection of critical exponents. Physical Review E, 2016, 93, 042105.   | 0.8 | 3         |
| 24 | Coherent-state path integral versus coarse-grained effective stochastic equation of motion: From reaction diffusion to stochastic sandpiles. Physical Review E, 2016, 93, 042117. | 0.8 | 26        |
| 25 | Distribution of joint local and total size and of extension for avalanches in the Brownian force model. Physical Review E, 2016, 93, 052142.                                      | 0.8 | 8         |
| 26 | Perturbative expansion for the maximum of fractional Brownian motion. Physical Review E, 2016, 94, 012134.  | 0.8 | 21        |
| 27 | Experimental Evidence for Three Universality Classes for Reaction Fronts in Disordered Flows.<br>Physical Review Letters, 2015, 114, 234502.                                      | 2.9 | 36        |
| 28 | Maximum of a Fractional Brownian Motion: Analytic Results from Perturbation Theory. Physical Review Letters, 2015, 115, 210601.   | 2.9 | 27        |
| 29 | Spatial shape of avalanches in the Brownian force model. Journal of Statistical Mechanics: Theory and Experiment, 2015, 2015, P08019.   | 0.9 | 11        |
| 30 | Exact Mapping of the Stochastic Field Theory for Manna Sandpiles to Interfaces in Random Media.<br>Physical Review Letters, 2015, 114, 110601.                                    | 2.9 | 32        |
| 31 | Avalanche shape and exponents beyond mean-field theory. Europhysics Letters, 2014, 108, 66002.  | 0.7 | 43        |
| 32 | Collective excitations in a large-dmodel for graphene. Physical Review B, 2014, 89, .   | 1.1 | 21        |
| 33 | Non-Gaussian effects and multifractality in the Bragg glass. Europhysics Letters, 2014, 105, 16002.   | 0.7 | 6         |
| 34 | Statistics of avalanches with relaxation and Barkhausen noise: A solvable model. Physical Review E, 2013, 88, 032106.   | 0.8 | 21        |
| 35 | Exact form of the exponential correlation function in the glassy super-rough phase. Physical Review<br>B, 2013, 87, .   | 1.1 | 5         |
| 36 | Avalanche dynamics of elastic interfaces. Physical Review E, 2013, 88, 022106.  | 0.8 | 38        |

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|----|---|-----|-----------|
| 37 | Functional renormalization-group approach to decaying turbulence. Journal of Statistical Mechanics:<br>Theory and Experiment, 2013, 2013, P04014.                 | 0.9 | 10        |
| 38 | Distribution of velocities in an avalanche. Europhysics Letters, 2012, 97, 46004.   | 0.7 | 25        |
| 39 | First-principles derivation of static avalanche-size distributions. Physical Review E, 2012, 85, 061102.  | 0.8 | 26        |
| 40 | Super-rough phase of the random-phase sine-Gordon model: Two-loop results. Physical Review B, 2012, 86, .   | 1.1 | 7         |
| 41 | Nonstationary dynamics of the Alessandro-Beatrice-Bertotti-Montorsi model. Physical Review E, 2012, 85, 031105.   | 0.8 | 30        |
| 42 | Equilibrium avalanches in spin glasses. Physical Review B, 2012, 85, .  | 1.1 | 34        |
| 43 | Distribution of velocities and acceleration for a particle in Brownian correlated disorder: Inertial case. Physical Review E, 2012, 85, 061116.                   | 0.8 | 8         |
| 44 | Shock statistics in higher-dimensional Burgers turbulence. Europhysics Letters, 2011, 96, 14005.  | 0.7 | 5         |
| 45 | Interference in disordered systems: A particle in a complex random landscape. Physical Review E, 2011, 83, 061116.  | 0.8 | 7         |
| 46 | Perturbation theory for fractional Brownian motion in presence of absorbing boundaries. Physical Review E, 2011, 83, 061141.                                      | 0.8 | 38        |
| 47 | Avalanches in mean-field models and the Barkhausen noise in spin-glasses. Europhysics Letters, 2010, 91, 57004.   | 0.7 | 40        |
| 48 | Elasticity of a contact-line and avalanche-size distribution at depinning. Physical Review E, 2010, 82, 011108.   | 0.8 | 17        |
| 49 | Statistics of static avalanches in a random pinning landscape. Physical Review E, 2009, 79, 050101.   | 0.8 | 50        |
| 50 | Avalanche-size distribution at the depinning transition: A numerical test of the theory. Physical<br>Review B, 2009, 80, .  | 1.1 | 77        |
| 51 | Driven particle in a random landscape: Disorder correlator, avalanche distribution, and extreme value statistics of records. Physical Review E, 2009, 79, 051105. | 0.8 | 80        |
| 52 | Field theory of the RNA freezing transition. Journal of Statistical Mechanics: Theory and Experiment, 2009, 2009, P10019.   | 0.9 | 1         |
| 53 | Size distributions of shocks and static avalanches from the functional renormalization group.<br>Physical Review E, 2009, 79, 051106.                             | 0.8 | 84        |
| 54 | Fluctuation force exerted by a planar self-avoiding polymer. Europhysics Letters, 2009, 86, 22001.  | 0.7 | 2         |

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|----|--|-----|-----------|
| 55 | Height fluctuations of a contact line: A direct measurement of the renormalized disorder correlator.<br>Europhysics Letters, 2009, 87, 56001.  | 0.7 | 80        |
| 56 | Field Theory Conjecture for Loop-Erased Random Walks. Journal of Statistical Physics, 2008, 133, 805-812.  | 0.5 | 12        |
| 57 | A growth model for RNA secondary structures. Journal of Statistical Mechanics: Theory and Experiment, 2008, 2008, P04008.  | 0.9 | 11        |
| 58 | Cusps and shocks in the renormalized potential of glassy random manifolds: How functional renormalization group and replica symmetry breaking fit together. Physical Review B, 2008, 77, . | 1.1 | 22        |
| 59 | Depinning in a two-layer model of plastic flow. Physical Review B, 2008, 78, .   | 1.1 | 13        |
| 60 | Random RNA under tension. Europhysics Letters, 2007, 78, 68003.  | 0.7 | 5         |
| 61 | Measuring Functional Renormalization Group Fixed-Point Functions for Pinned Manifolds. Physical<br>Review Letters, 2007, 98, 155701.   | 2.9 | 45        |
| 62 | Systematic Field Theory of the RNA Glass Transition. Physical Review Letters, 2007, 98, 128102.  | 2.9 | 10        |
| 63 | Wetting and minimal surfaces. Physical Review E, 2007, 75, 031601.   | 0.8 | 3         |
| 64 | Le Doussal and Wiese Reply:. Physical Review Letters, 2007, 98, .  | 2.9 | 6         |
| 65 | How to measure functional RG fixed-point functions for dynamics and at depinning. Europhysics<br>Letters, 2007, 77, 66001.   | 0.7 | 29        |
| 66 | Numerical calculation of the functional renormalization group fixed-point functions at the depinning transition. Physical Review B, 2007, 75, .  | 1.1 | 60        |
| 67 | Universal distribution of threshold forces at the depinning transition. Physical Review E, 2006, 74, 041110.   | 0.8 | 22        |
| 68 | Freezing of Random RNA. Physical Review Letters, 2006, 96, 228101.   | 2.9 | 27        |
| 69 | Can Nonlinear Elasticity Explain Contact-Line Roughness at Depinning?. Physical Review Letters, 2006, 96, 015702.  | 2.9 | 33        |
| 70 | Statics and dynamics of elastic manifolds in media with long-range correlated disorder. Physical<br>Review E, 2006, 74, 061109.  | 0.8 | 25        |
| 71 | Random-Field Spin Models beyond 1 Loop: A Mechanism for Decreasing the Lower Critical Dimension.<br>Physical Review Letters, 2006, 96, 197202.   | 2.9 | 47        |
| 72 | Why one needs a functional renormalization group to survive in a disordered world. Pramana -<br>Journal of Physics, 2005, 64, 817-827.   | 0.9 | 2         |

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|----|--|-----|-----------|
| 73 | Instanton Calculus for the Self-Avoiding Manifold Model. Journal of Statistical Physics, 2005, 120, 875-1035.  | 0.5 | 3         |
| 74 | Supersymmetry breaking in disordered systems and relation to functional renormalization and replica-symmetry breaking. Journal of Physics Condensed Matter, 2005, 17, S1889-S1898. | 0.7 | 10        |
| 75 | Scaling behavior of tethered crumpled manifolds with inner dimension close to : Resumming the perturbation theory. Nuclear Physics B, 2005, 711, 530-564.                          | 0.9 | 2         |
| 76 | Two-loop functional renormalization for elastic manifolds pinned by disorder inNdimensions.<br>Physical Review E, 2005, 72, 035101.  | 0.8 | 28        |
| 77 | Functional renormalization group and the field theory of disordered elastic systems. Physical Review E, 2004, 69, 026112.  | 0.8 | 100       |
| 78 | Derivation of the functional renormalization group β-function at order for manifolds pinned by disorder. Nuclear Physics B, 2004, 701, 409-480.                                    | 0.9 | 16        |
| 79 | The Functional Renormalization Group Treatment of Disordered Systems, a Review. Annales Henri<br>Poincare, 2003, 4, 505-528.   | 0.8 | 6         |
| 80 | The 4-loop β-function in the 2D non-Abelian Thirring model, and comparison with its conjectured<br>"exact―form. Nuclear Physics B, 2003, 661, 577-607.                             | 0.9 | 20        |
| 81 | The Functional Renormalization Group Treatment of Disordered Systems, a Review. , 2003, , 505-528.   |     | Ο         |
| 82 | Fabry-Perot interference and spin filtering in carbon nanotubes. Physical Review B, 2003, 68, .  | 1.1 | 35        |
| 83 | Functional renormalization group for anisotropic depinning and relation to branching processes.<br>Physical Review E, 2003, 67, 016121.  | 0.8 | 30        |
| 84 | Higher correlations, universal distributions, and finite size scaling in the field theory of depinning.<br>Physical Review E, 2003, 68, 046118.                                    | 0.8 | 32        |
| 85 | Universal interface width distributions at the depinning threshold. Physical Review E, 2003, 68, 036128.   | 0.8 | 43        |
| 86 | Functional renormalization group at largeNfor disordered elastic systems, and relation to replica symmetry breaking. Physical Review B, 2003, 68, .                                | 1.1 | 40        |
| 87 | Interacting crumpled manifolds: Exact results to all orders of perturbation theory. Europhysics Letters, 2003, 64, 371-377.  | 0.7 | 3         |
| 88 | Functional Renormalization Group at LargeNfor Disordered Systems. Physical Review Letters, 2002, 89, 125702.   | 2.9 | 37        |
| 89 | Interacting crumpled manifolds. Journal of Physics A, 2002, 35, 1195-1229.   | 1.6 | 6         |
| 90 | Two-loop functional renormalization group theory of the depinning transition. Physical Review B, 2002, 66, .   | 1.1 | 174       |

| #   | Article  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 91  | Polymerized Membranes, a Review**The author has won the Physics Prize of the Academy of Science in<br>Göettingen. Phase Transitions and Critical Phenomena, 2001, , 253-480. | 1.2 | 12        |
| 92  | Renormalization of Pinned Elastic Systems: How Does It Work Beyond One Loop?. Physical Review Letters, 2001, 86, 1785-1788.  | 2.9 | 188       |
| 93  | The Passive Polymer Problem. Journal of Statistical Physics, 2000, 101, 843-891.   | 0.5 | 15        |
| 94  | Polymers and manifolds in static random flows: a renormalization group study. Nuclear Physics B,<br>1999, 552, 529-598.  | 0.9 | 15        |
| 95  | On the Perturbation Expansion of the KPZ Equation. Journal of Statistical Physics, 1998, 93, 143-154.  | 0.5 | 74        |
| 96  | Dynamics of selfavoiding tethered membranes. I. Model A dynamics (Rouse model). European Physical<br>Journal B, 1998, 1, 269-272.  | 0.6 | 14        |
| 97  | Dynamics of selfavoiding tethered membranes. II. Inclusion of hydrodynamic interaction (Zimm model).<br>European Physical Journal B, 1998, 1, 273-276.                       | 0.6 | 8         |
| 98  | Generalizing the O(N)-field theory to N-colored manifolds of arbitrary internal dimension D. Nuclear Physics B, 1998, 528, 469-522.  | 0.9 | 8         |
| 99  | Large order behavior for self-avoiding membranes. Nuclear Physics B, 1998, 535, 555-595.   | 0.9 | 8         |
| 100 | Glassy Trapping of Manifolds in Nonpotential Random Flows. Physical Review Letters, 1998, 80, 2362-2365.   | 2.9 | 12        |
| 101 | Critical discussion of the two-loop calculations for the Kardar-Parisi-Zhang equation. Physical Review E, 1997, 56, 5013-5017.   | 0.8 | 27        |
| 102 | New renormalization group results for scaling of self-avoiding tethered membranes. Nuclear Physics<br>B, 1997, 487, 529-632.   | 0.9 | 26        |
| 103 | Classification of perturbations for membranes with bending rigidity. Physics Letters, Section B:<br>Nuclear, Elementary Particle and High-Energy Physics, 1996, 387, 57-63.  | 1.5 | 7         |
| 104 | Scaling of Self-Avoiding Tethered Membranes: 2-Loop Renormalization Group Results. Physical Review<br>Letters, 1996, 76, 4564-4567.  | 2.9 | 35        |
| 105 | Self-avoiding tethered membranes at the tricritical point. Nuclear Physics B, 1995, 450, 495-557.  | 0.9 | 18        |
| 106 | ANOMALOUS DIMENSIONS OF SOFT OPERATORS IN SUPERSYMMETRIC NONLINEAR SIGMA-MODELS. Modern Physics Letters A, 1993, 08, 3845-3852.  | 0.5 | 0         |