

# Hikaru Kawamura

## List of Publications by Year in descending order

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103  
papers

4,519  
citations

87888

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106344

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104  
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104  
docs citations

104  
times ranked

2245  
citing authors

#	ARTICLE	IF	CITATIONS
1	Frustration-induced Quantum Spin Liquid Behavior in the $s = 1/2$ Random-bond Heisenberg Antiferromagnet on the Zigzag Chain. Journal of the Physical Society of Japan, 2021, 90, .	1.6	3
2	Replica symmetry breaking in the RKKY skyrmion-crystal system. Physical Review B, 2021, 104, .	3.2	25
3	Monte Carlo studies of the spin-chirality decoupling in the three-dimensional Heisenberg spin glass. Physical Review B, 2020, 101, .	3.2	5
4	Ripple State in the Frustrated Honeycomb-Lattice Antiferromagnet. Physical Review Letters, 2019, 123, 057202.	7.8	15
5	Nature of the high-speed rupture of the two-dimensional Burridge-Knopoff model of earthquakes. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2019, 377, 20170391.	3.4	2
6	Nature of the randomness-induced quantum spin liquids in two dimensions. Journal of Physics Condensed Matter, 2019, 31, 504003.	1.8	47
7	Multiple- $q$ states of the $J_1\hat{J}_2$ classical honeycomb-lattice Heisenberg antiferromagnet under a magnetic field. Physical Review B, 2019, 100, .	3.2	25
8	Randomness-Induced Quantum Spin Liquid Behavior in the $s = 1/2$ Random-Bond Heisenberg Antiferromagnet on the Pyrochlore Lattice. Physical Review Letters, 2019, 123, 087201.	3.2	38
9	Monte Carlo study of the critical properties of noncollinear Heisenberg magnets: $O(3)\tilde{A}-O(2)$ universality class. Physical Review B, 2019, 100, .	3.2	3
10	Slow-Slip Phenomena Represented by the One-Dimensional Burridge-Knopoff Model of Earthquakes. Journal of the Physical Society of Japan, 2018, 87, 053001.	1.6	4
11	Randomness-induced quantum spin liquid behavior in the $s = 1/2$ Random-Bond Heisenberg antiferromagnet on the Pyrochlore Lattice. Physical Review B, 2018, 98, .	3.2	38
12	Randomness-Induced Quantum Spin Liquid Behavior in the $s = 1/2$ Random $J_1\hat{J}_2$ Heisenberg Antiferromagnet on the Honeycomb Lattice. Journal of the Physical Society of Japan, 2017, 86, 044704.	1.6	43
13	Statistical properties of the one-dimensional Burridge-Knopoff model of earthquakes obeying the rate- and state-dependent friction law. Physical Review E, 2017, 95, 042122.	2.1	5
14	Finite-Temperature Crossover Phenomenon in the $S = 1/2$ Antiferromagnetic Heisenberg Model on the Kagome Lattice. Journal of the Physical Society of Japan, 2016, 85, 113702.	1.6	29
15	Spin-Lattice-Coupled Order in Heisenberg Antiferromagnets on the Pyrochlore Lattice. Physical Review Letters, 2016, 116, 257201.	7.8	14
16	Static and dynamical spin correlations of the $S = 1/2$ antiferromagnetic Heisenberg model on the triangular and kagome lattices. Physical Review B, 2015, 92, .	3.2	85
17	Low-Temperature Magnetic Properties of the Kondo Lattice Model in One Dimension. Journal of the Physical Society of Japan, 2015, 84, 044702.	1.6	9
18	Dynamics of earthquake nucleation process represented by the Burridge-Knopoff model. European Physical Journal B, 2015, 88, 1.	1.5	8

#	ARTICLE	IF	CITATIONS
19	Quantum Spin-Liquid Behavior in the Spin-1/2 Random Heisenberg Antiferromagnet on the Triangular Lattice. Journal of the Physical Society of Japan, 2014, 83, 034714.	1.6	117
20	Nucleation process in the Burridge-Knopoff model of earthquakes. Europhysics Letters, 2014, 106, 69001.	2.0	5
21	Quantum Spin-Liquid Behavior in the Spin-1/2 Random-Bond Heisenberg Antiferromagnet on the Kagome Lattice. Journal of the Physical Society of Japan, 2014, 83, 103704.	1.6	68
22	Monte Carlo simulations of the three-dimensional $X \times Y$ spin glass focusing on chiral and spin order. Physical Review B, 2013, 87, .	3.2	10
23	Finite-Temperature Transition of the Antiferromagnetic Heisenberg Model on a Distorted Kagome Lattice. Physical Review Letters, 2012, 109, 057201.	7.8	8
24	Ordering of the Heisenberg spin glass in four dimensions. Physical Review B, 2012, 85, .	3.2	4
25	Spin and Chiral Orderings of the Antiferromagnetic XY Model on the Triangular Lattice and Their Critical Properties. Journal of the Physical Society of Japan, 2012, 81, 054003.	1.6	24
26	Statistical physics of fracture, friction, and earthquakes. Reviews of Modern Physics, 2012, 84, 839-884.	45.6	168
27	The ordering of $XY$ spin glasses. Journal of Physics Condensed Matter, 2011, 23, 164210.	1.8	14
28	$Z_2$ -vortex order of frustrated Heisenberg antiferromagnets in two dimensions. Journal of Physics: Conference Series, 2011, 320, 012002.	0.4	21
29	Asperity characteristics of the Olami-Feder-Christensen model of earthquakes. Physical Review E, 2010, 81, 031119.	2.1	19
30	Spin-Chirality Decoupling in the One-Dimensional Heisenberg Spin Glass with Long-Range Power-Law Interactions. Physical Review Letters, 2010, 105, 097206.	7.8	10
31	$Z_2$ -Vortex Ordering of the Triangular-Lattice Heisenberg Antiferromagnet. Journal of the Physical Society of Japan, 2010, 79, 023701.	1.6	82
32	Magnetic phase diagram of the spin- $\frac{1}{2}$ antiferromagnetic zigzag ladder. Physical Review B, 2010, 81, .	3.2	51
33	Novel Spin-Liquid States in the Frustrated Heisenberg Antiferromagnet on the Honeycomb Lattice. Journal of the Physical Society of Japan, 2010, 79, 114705.	1.6	77
34	Chirality Scenario of the Spin-Glass Ordering. Journal of the Physical Society of Japan, 2010, 79, 011007.	1.6	54
35	Monte Carlo Studies of the Ordering of the One-Dimensional Heisenberg Spin Glass with Long-Range Power-Law Interactions. Journal of the Physical Society of Japan, 2010, 79, 104708.	1.6	3
36	Two models of spin glasses – Ising versus Heisenberg. Journal of Physics: Conference Series, 2010, 233, 012012.	0.4	11

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37	Signature of a Z2 Vortex in the Dynamical Correlations of the Triangular-Lattice Heisenberg Antiferromagnet. Journal of the Physical Society of Japan, 2010, 79, 084706.	1.6	37
38	Monte Carlo studies of chiral and spin ordering of the three-dimensional Heisenberg spin glass. Physical Review B, 2009, 80, .	3.2	37
39	Numerical Evidence of Spin-Chirality Decoupling in the Three-Dimensional Heisenberg Spin Glass Model. Physical Review Letters, 2009, 102, 027202.	7.8	50
40	Possible Spin-Liquid State in Two-Dimensional Frustrated Magnets. JPSJ News and Comments, 2009, 6, 02.	0.1	0
41	Simulation study of the two-dimensional Burridge-Knopoff model of earthquakes. Journal of Geophysical Research, 2008, 113, .	3.3	12
42	Spatiotemporal correlations of earthquakes in the continuum limit of the one-dimensional Burridge-Knopoff model. Journal of Geophysical Research, 2008, 113, .	3.3	10
43	Simulation study of earthquakes based on the two-dimensional Burridge-Knopoff model with long-range interactions. Physical Review E, 2008, 77, 051123.	2.1	30
44	Periodicity and criticality in the Olami-Feder-Christensen model of earthquakes. Physical Review E, 2008, 77, 010102.	2.1	16
45	Ordering of the Pyrochlore Ising Model with the Long-Range RKKY Interaction. Journal of the Physical Society of Japan, 2008, 77, 073707.	1.6	40
46	Spin-chirality decoupling in Heisenberg spin glasses and related systems. Journal of Magnetism and Magnetic Materials, 2007, 310, 1487-1493.	2.3	17
47	Simulation study of the one-dimensional Burridge-Knopoff model of earthquakes. Journal of Geophysical Research, 2006, 111, .	3.3	26
48	Monte Carlo simulations of the phase transition of the three-dimensional isotropic Heisenberg spin glass. Physical Review B, 2005, 72, .	3.2	51
49	Numerical study of the ordering of the XY-spin-glass ladder. Physical Review B, 2005, 72, .	3.2	4
50	Simulation Study of Spatiotemporal Correlations of Earthquakes as a Stick-Slip Frictional Instability. Physical Review Letters, 2005, 94, 058501.	7.8	33
51	Monte Carlo study of the ordering of the weakly anisotropic Heisenberg spin glass in magnetic fields. Physical Review B, 2004, 70, .	3.2	17
52	Replica Symmetry Breaking Transition of the Weakly Anisotropic Heisenberg Spin Glass in Magnetic Fields. Physical Review Letters, 2004, 92, 077204.	7.8	26
53	Fluctuation-dissipation ratio of the Heisenberg spin glass. Journal of Magnetism and Magnetic Materials, 2004, 272-276, 1278-1279.	2.3	0
54	Nature of the vortex-glass order in the type-II limit. Physica C: Superconductivity and Its Applications, 2003, 388-389, 649-650.	1.2	0

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55	Anomalous Hall Effect as a Probe of the Chiral Order in Spin Glasses. <i>Physical Review Letters</i> , 2003, 90, 047202.	7.8	57
56	Fluctuation-Dissipation Ratio of the Heisenberg Spin Glass. <i>Physical Review Letters</i> , 2003, 90, 237201.	7.8	20
57	Ordering of the Heisenberg spin glass in high dimensions. <i>Physical Review B</i> , 2003, 67, .	3.2	16
58	Ordering of the Heisenberg spin glass in two dimensions. <i>Journal of Physics A</i> , 2003, 36, 10867-10880.	1.6	14
59	Chiral Kosterlitz-Thouless Transition in the Frustrated Heisenberg Antiferromagnet on a Pyrochlore Slab. <i>Physical Review Letters</i> , 2002, 88, 077202.	7.8	9
60	Chirality-Driven Anomalous Hall Effect in Weak Coupling Regime. <i>Journal of the Physical Society of Japan</i> , 2002, 71, 2613-2616.	1.6	181
61	Monte Carlo Studies of the Ordering of the Three-Dimensional Isotropic Heisenberg Spin Glass in Magnetic Fields. <i>Journal of the Physical Society of Japan</i> , 2002, 71, 127-140.	1.6	20
62	Aging Effect in Ceramic Superconductors. <i>Physical Review Letters</i> , 2001, 86, 1339-1342.	7.8	10
63	Ordering of the Antiferromagnetic Heisenberg Model on a Pyrochlore Slab. <i>Journal of the Physical Society of Japan</i> , 2001, 70, 3695-3707.	1.6	12
64	Ordering of the Three-Dimensional Heisenberg Spin Glass in Magnetic Fields. <i>Physical Review Letters</i> , 2001, 87, 207203.	7.8	28
65	Nature of the Ordering in the Three-Dimensional XY Spin Glass. <i>Physical Review Letters</i> , 2001, 87, .	7.8	47
66	Simulation Studies on the Stability of the Vortex-Glass Order. <i>Journal of the Physical Society of Japan</i> , 2000, 69, 29-32.	1.6	35
67	Replica-symmetry-breaking transition in finite-size simulations. <i>Physical Review E</i> , 2000, 62, 3360-3365.	2.1	23
68	Ground State Phase Diagram of Frustrated $S = 1$ XXZ chains: Chiral Ordered Phases. <i>Journal of the Physical Society of Japan</i> , 2000, 69, 259-266.	1.6	57
69	Spin and Chiral Orderings of Frustrated Quantum Spin Chains. <i>Journal of the Physical Society of Japan</i> , 1999, 68, 3185-3188.	1.6	37
70	Universality of phase transitions of frustrated antiferromagnets. <i>Journal of Physics Condensed Matter</i> , 1998, 10, 4707-4754.	1.8	266
71	Dynamical Simulation of Spin-Glass and Chiral-Class Orderings in Three-Dimensional Heisenberg Spin Glasses. <i>Physical Review Letters</i> , 1998, 80, 5421-5424.	7.8	73
72	Equilibrium Phase with Broken Time-Reversal Symmetry in Ceramic High-Tc Superconductors. <i>Physical Review Letters</i> , 1997, 78, 1556-1559.	7.8	54

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73	Chiral Glass: A New Equilibrium Phase of Ceramic High-TcSuperconductors. Journal of the Physical Society of Japan, 1997, 66, 2110-2122.	1.6	46
74	Monte Carlo studies of the ordering of ceramic superconductors: Chiral-glass, orbital-glass, and nonlinear susceptibilities. Physical Review B, 1996, 54, 619-636.	3.2	45
75	CHIRAL ORDER IN SPIN GLASSES. International Journal of Modern Physics C, 1996, 07, 345-353.	1.7	26
76	Monte Carlo Study of Chiral-Glass Ordering in Three-Dimensional Heisenberg Spin Glass. Journal of the Physical Society of Japan, 1995, 64, 26-30.	1.6	29
77	Nature of Orbital-Glass Transition ind-Wave Ceramic Superconductors. Journal of the Physical Society of Japan, 1995, 64, 711-715.	1.6	48
78	Numerical studies of chiral ordering in three-dimensionalXYspin glasses. Physical Review B, 1995, 51, 12398-12409.	3.2	40
79	Extended Mean-Field Analysis of the Stacked-Triangular Ising Antiferromagnet. Journal of the Physical Society of Japan, 1995, 64, 232-241.	1.6	12
80	Universality of phase transitions at solid surfaces. Phase Transitions, 1995, 53, 165-196.	1.3	3
81	Free-vortex formation and topological phase transitions of two-dimensional spin systems. Physical Review B, 1993, 47, 1134-1137.	3.2	39
82	Gauge Glass Ordering in Two Dimensions. Journal of the Physical Society of Japan, 1993, 62, 3266-3267.	1.6	8
83	Phase Transitions in Triangular Spin Systems. , 1993, , 335-347.		0
84	Monte Carlo Study of Chiral Criticality â€“XYand Heisenberg Stacked-Triangular Antiferromagnets. Journal of the Physical Society of Japan, 1992, 61, 1299-1325.	1.6	187
85	Chiral ordering in Heisenberg spin glasses in two and three dimensions. Physical Review Letters, 1992, 68, 3785-3788.	7.8	142
86	Monte Carlo Evidence of Finite-Temperature Chiral Ordering in a Three-DimensionalXYSpin Glass. Journal of the Physical Society of Japan, 1992, 61, 3062-3066.	1.6	13
87	Chiral Criticality near Two Dimensions. Journal of the Physical Society of Japan, 1991, 60, 1839-1843.	1.6	25
88	Magnetic Structure of a Heisenberg Spin Glass in a Magnetic Field. Journal of the Physical Society of Japan, 1991, 60, 1092-1096.	1.6	7
89	Chiral Ordering ofXYSpin Glasses in Two and Three Dimensions -Domain-Wall Renormalization-Group Studies. Journal of the Physical Society of Japan, 1991, 60, 608-613.	1.6	46
90	Generalized Chiral Universality. Journal of the Physical Society of Japan, 1990, 59, 2305-2308.	1.6	42

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91	New Critical Behavior of XY Antiferromagnet on the Layered-Triangular Lattice. Journal of the Physical Society of Japan, 1989, 58, 584-596.	1.6	60
92	Renormalization-group analysis of chiral transitions. Physical Review B, 1988, 38, 4916-4928.	3.2	192
93	Chiral order in a two-dimensional XY spin glass. Physical Review B, 1987, 36, 7177-7180.	3.2	55
94	New Critical Behavior of Heisenberg Antiferromagnet on the Layered-Triangular Lattice. Journal of the Physical Society of Japan, 1987, 56, 474-491.	1.6	70
95	Reentrance Phenomena in the Two-Dimensional XY Spin Glass. Journal of the Physical Society of Japan, 1986, 55, 1802-1805.	1.6	14
96	Phase Transition of the Three-Dimensional XY Antiferromagnet on the Layered-Triangular Lattice. Journal of the Physical Society of Japan, 1986, 55, 2095-2098.	1.6	55
97	Renormalization-Group Approach to the Frustrated Heisenberg Antiferromagnet on the Layered-Triangular Lattice. Journal of the Physical Society of Japan, 1986, 55, 2157-2165.	1.6	21
98	Monte Carlo Studies of the Two-Dimensional Random-Bond XY Model: A Chiral Spin Glass. Journal of the Physical Society of Japan, 1985, 54, 4479-4482.	1.6	32
99	Phase Transition of the Three-Dimensional Heisenberg Antiferromagnet on the Layered-Triangular Lattice. Journal of the Physical Society of Japan, 1985, 54, 3220-3223.	1.6	101
100	Phase Transitions of Anisotropic Heisenberg Antiferromagnets on the Triangular Lattice. Journal of the Physical Society of Japan, 1985, 54, 3385-3395.	1.6	132
101	Phase Transition of the Heisenberg Antiferromagnet on the Triangular Lattice in a Magnetic Field. Journal of the Physical Society of Japan, 1985, 54, 4530-4538.	1.6	167
102	Phase Transition of the Two-Dimensional Heisenberg Antiferromagnet on the Triangular Lattice. Journal of the Physical Society of Japan, 1984, 53, 4138-4154.	1.6	291
103	Phase Transition of the Two-Dimensional Heisenberg Antiferromagnet on the Triangular Lattice. Journal of the Physical Society of Japan, 1984, 53, 9-12.	1.6	67