Albert Babaev

List of Publications by Year
in descending order

34 papers	250 citations	933447 10 h-index	996975 15 g-index
34 all docs	34 docs citations	34 times ranked	28 citing authors

#	Article	IF	Citations
1	Effect of Quenched Nonmagnetic Impurities on the Phase Transitions in a Three-Dimensional Potts Model. Journal of Experimental and Theoretical Physics, 2021, 132, 917-921.	0.9	3
2	Phase Transitions in Two-Dimensional Structures Described by Impurity Potts Models. Journal of Surface Investigation, 2021, 15, 1076-1079.	0.5	0
3	Phase Transitions in the Three-Dimensional Weakly Diluted Potts Model with q = 5. Physics of the Solid State, 2021, 63, 1884-1888.	0.6	2
4	Effect of quenched non-magnetic impurities on phase transitions in a two-dimensional Potts model. Low Temperature Physics, 2020, 46, 688-692.	0.6	5
5	Phase Transitions in Low-Dimensional Disordered Potts Models. Physics of the Solid State, 2020, 62, 851-855.	0.6	6
6	Influence of Quenched Non-Magnetic Impurities on Phase Transitions in Low-Dimensional Potts Models. Journal of Surface Investigation, 2020, 14, 727-729.	0.5	3
7	Phase Transitions in the Two-Dimensional Slightly Diluted Five-Vertex Potts Model. Physics of the Solid State, 2020, 62, 1228-1230.	0.6	3
8	Critical Temperature of the Three-Vertex Potts Model on a Kagome Lattice. Physics of the Solid State, 2019, 61, 1284-1287.	0.6	4
9	Computation of Relative Variances of Magnetization and Susceptibility in a Disordered Ising Model: The Results of Computer Simulation. Mathematical Models and Computer Simulations, 2019, 11, 575-580.	0.5	9
10	Computer simulation of the critical behavior of highly diluted low-dimensional antiferromagnetic systems on a triangular lattice. Low Temperature Physics, 2018, 44, 1348-1350.	0.6	2
11	Ground State of an Antiferromagnetic Three-State Potts Model on a Triangular Lattice with Competing Interactions. Journal of Experimental and Theoretical Physics, 2018, 127, 323-327.	0.9	0
12	Weak Universality in the Disordered Two-Dimensional Antiferromagnetic Potts Model on a Triangular Lattice. JETP Letters, 2018, 107, 624-628.	1.4	4
13	Computer Simulation of Critical Behavior of Two-Dimensional Weakly Diluted Antiferromagnetic Potts Model on a Triangular Lattice. Physics of the Solid State, 2018, 60, 1180-1183.	0.6	2
14	Tricritical point for the three-dimensional disordered Potts model (q = 3) on a simple cubic lattice. JETP Letters, 2017, 105, 384-387.	1.4	11
15	Investigation of the thermodynamic properties and phase transitions in a strongly diluted three-vertex antiferromagnetic Potts model by the Monte Carlo method. Physics of the Solid State, 2017, 59, 141-144.	0.6	5
16	Thermodynamic and magnetic properties of a three-state Potts model on a triangular lattice with next-neighbor interactions. Physics of the Solid State, 2017, 59, 2444-2447.	0.6	6
17	Phase transitions in a two-dimensional antiferromagnetic Potts model on a triangular lattice with next-nearest neighbor interactions. Journal of Experimental and Theoretical Physics, 2016, 122, 310-317.	0.9	10
18	Influence of frustrations on the thermodynamic properties of the low-dimensional Potts model studied by computer simulation. Physics of the Solid State, 2016, 58, 2074-2077.	0.6	6

#	Article	IF	Citations
19	Effect of quenched-in nonmagnetic impurities on phase transitions in a two-dimensional antiferromagnetic three-vertex Potts model on a triangular lattice. Physics of the Solid State, 2015, 57, 1436-1438.	0.6	7
20	Frustrations and phase transitions in the three-vertex Potts model with next-nearest-neighbor interactions on a triangular lattice. JETP Letters, 2014, 100, 242-246.	1.4	14
21	Monte Carlo study of the phase transitions in 2D ferro- and antiferromagnetic Potts models on a triangular lattice. Bulletin of the Russian Academy of Sciences: Physics, 2014, 78, 70-72.	0.6	2
22	Tricritical point of the three-dimensional Potts model (q = 4) with quenched nonmagnetic disorder. JETP Letters, 2014, 99, 535-539.	1.4	27
23	Histogram data analysis for a three-dimensional diluted ferromagnetic 3- and 4-state potts models. Journal of Experimental and Theoretical Physics, 2013, 116, 101-104.	0.9	10
24	Phase transitions in the two-dimensional antiferromagnetic Potts model on a triangular lattice. Bulletin of the Russian Academy of Sciences: Physics, 2013, 77, 1272-1274.	0.6	5
25	Phase transitions in the two-dimensional ferro- and antiferromagnetic potts models on a triangular lattice. Journal of Experimental and Theoretical Physics, 2012, 115, 1042-1047.	0.9	16
26	Influence of quenched nonmagnetic impurities on phase transitions in a three-dimensional diluted Potts model with spin state number q = 4. Bulletin of the Russian Academy of Sciences: Physics, 2011, 75, 680-682.	0.6	2
27	Phase transitions in a three-dimensional diluted Potts model with 4 spin states. Low Temperature Physics, 2011, 37, 134-137.	0.6	12
28	Features of the phase transitions in the three-dimensional diluted potts model with number of spin states q = 3. Bulletin of the Russian Academy of Sciences: Physics, 2010, 74, 686-687.	0.6	1
29	Phase transition properties of three-dimensional systems described by diluted potts model. Journal of Experimental and Theoretical Physics, 2009, 109, 442-445.	0.9	13
30	Investigation of the influence of quenched nonmagnetic impurities on phase transitions in the three-dimensional Potts model. Physics of the Solid State, 2008, 50, 733-739.	0.6	22
31	Investigation of the critical behavior of the three-dimensional weakly diluted Potts model. Bulletin of the Russian Academy of Sciences: Physics, 2007, 71, 707-708.	0.6	1
32	Investigation of the critical properties of the three-dimensional weakly diluted potts model. Bulletin of the Russian Academy of Sciences: Physics, 2007, 71, 1586-1588.	0.6	2
33	Critical behavior of a cubic-lattice 3D Ising model for systems with quenched disorder. Journal of Experimental and Theoretical Physics, 2004, 99, 1201-1206.	0.9	35
34	Phase Transitions in a Three-Dimensional Site-Diluted 5-State Potts Model. Journal of Superconductivity and Novel Magnetism, 0, , .	1.8	0