

Katsuyoshi Matsushita

List of Publications by Year in descending order

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36
papers

200
citations

1163117

8
h-index

1125743

13
g-index

36
all docs

36
docs citations

36
times ranked

204
citing authors

#	ARTICLE	IF	CITATIONS
1	Atomic scale friction between clean graphite surfaces. Solid State Communications, 2005, 136, 51-55.	1.9	52
2	Simulation of current-induced microwave oscillation in geometrically confined domain wall. Journal of Applied Physics, 2009, 105, 07D525.	2.5	17
3	Effective Resistance Mismatch and Magnetoresistance of a CPP-GMR System With Current-Confined-Paths. IEEE Transactions on Magnetics, 2008, 44, 2608-2611.	2.1	16
4	Current-perpendicular-to-plane magnetoresistance of a domain wall confined in a nano-oxide layer. Journal of Applied Physics, 2009, 105, 07D101.	2.5	11
5	Current-Induced Microwave Excitation of a Domain Wall Pinned in a Magnetic Wire with Bi-Axial Anisotropy. Journal of the Physical Society of Japan, 2009, 78, 093801.	1.6	10
6	Frustration-induced protein intrinsic disorder. Journal of Chemical Physics, 2013, 138, 105101.	3.0	9
7	Cell-alignment patterns in the collective migration of cells with polarized adhesion. Physical Review E, 2017, 95, 032415.	2.1	9
8	Magnetic Structure of Domain Walls Confined in a Nano-Oxide Layer. IEEE Transactions on Magnetics, 2008, 44, 2616-2619.	2.1	8
9	Peculiar 'from-Edge-to-Interior' Spin Freezing in a Magnetic Dipolar Cube. Journal of the Physical Society of Japan, 2005, 74, 2651-2654.	1.6	7
10	Microwave Generation on Geometrically Constrained Magnetic Wall: Effect of Twist Angle. Journal of the Physical Society of Japan, 2010, 79, 093801.	1.6	7
11	Curved surface geometry-induced topological change of an excitable planar wavefront. Chaos, 2019, 29, 093120.	2.5	7
12	Magnetic Properties of Two-Dimensional Dipolar Squares: Boundary Geometry Dependence. Journal of the Physical Society of Japan, 2007, 76, 044705.	1.6	5
13	Emergence of collective propulsion through cell-cell adhesion. Physical Review E, 2018, 97, 042413.	2.1	5
14	Chaos in AC-Driven Motion of Confined Magnetic Domain Wall. Journal of the Physical Society of Japan, 2012, 81, 063801.	1.6	4
15	AC-Driven Breathing Mode of Confined Magnetic Domain Wall. Journal of the Physical Society of Japan, 2012, 81, 043801.	1.6	4
16	Cell Motion Alignment as a Polarity Memory Effect. Journal of the Physical Society of Japan, 2019, 88, 103801.	1.6	4
17	Adhesion-stabilizing long-distance transport of cells on tissue surface. Physical Review E, 2020, 101, 052410.	2.1	4
18	Dipolar Field Effect on Microwave Oscillation in a Domain-Wall Spin Valve. IEEE Transactions on Magnetics, 2009, 45, 3422-3425.	2.1	3

#	ARTICLE	IF	CITATIONS
19	Current-Induced Exchange Length and Geometrically Constrained Magnetic Wall. Journal of the Physical Society of Japan, 2010, 79, 033706.	1.6	3
20	Thermal stability of the geometrically constrained magnetic wall and its effect on a domain-wall spin valve. Journal of Applied Physics, 2012, 111, 083903.	2.5	3
21	Collective Cell Movement under Cell-Scale Tension Gradient at Tissue Interface. Journal of the Physical Society of Japan, 2022, 91, .	1.6	2
22	Finite dipolar hexagonal columns on piled layers of triangular lattice. Journal of Magnetism and Magnetic Materials, 2007, 310, 1416-1418.	2.3	1
23	The origin of dispersion of magnetoresistance of a domain wall spin valve. Journal of Physics: Conference Series, 2010, 200, 062023.	0.4	1
24	Current-induced instability of geometrically confined magnetic wall. Journal of Physics: Conference Series, 2010, 200, 042016.	0.4	1
25	Thermal stability of geometrically confined domain wall structures. Journal of Physics: Conference Series, 2010, 200, 042022.	0.4	1
26	Magnon Turbulence in Ferromagnetic Nanocontact. Journal of the Physical Society of Japan, 2013, 82, 033801.	1.6	1
27	Multicanonical simulation of coupled folding and binding of intrinsically disordered protein using an Ising-like protein model. Journal of Physics: Conference Series, 2013, 454, 012034.	0.4	1
28	Short Polypeptide with Metastable Structures. Interdisciplinary Information Sciences, 2013, 19, 29-34.	0.4	1
29	Swing Casting Boost for Confined Domain Wall Breathing. Journal of the Physical Society of Japan, 2014, 83, 013801.	1.6	1
30	Design of Domain Wall Spin Torquemeter. Journal of the Physical Society of Japan, 2015, 84, 043801.	1.6	1
31	Current Induced Dynamical Phases on Geometrically Constrained Magnetic Wall. Journal of the Magnetism Society of Japan, 2010, 34, 323-328.	0.9	1
32	Prediction of ferromagnetic (Zn,Mn)Se superlattice. Physica E: Low-Dimensional Systems and Nanostructures, 2001, 10, 247-250.	2.7	0
33	Spin melting and refreezing driven by uniaxial compression on a dipolar hexagonal plate. Journal of Physics Condensed Matter, 2007, 19, 145206.	1.8	0
34	Conductance oscillation in ferromagnetic-metal/ nonmagnetic-metal/superconductor double junctions. Journal of Physics: Conference Series, 2010, 200, 062016.	0.4	0
35	Penetration of a Magnetic Wall into Thin Ferromagnetic Electrodes of a Nano-Contact Spin Valve. Journal of the Physical Society of Japan, 2013, 82, 074716.	1.6	0
36	Polarity Fluctuation Inhibition by Memory in Collective Cell Motion. Journal of the Physical Society of Japan, 2021, 90, 054801.	1.6	0