

Hiroyasu Nakayama

List of Publications by Year in descending order

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44
papers

4,322
citations

361296
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44
all docs

44
docs citations

44
times ranked

3092
citing authors

#	ARTICLE	IF	CITATIONS
1	Spin Hall Magnetoresistance Induced by a Nonequilibrium Proximity Effect. Physical Review Letters, 2013, 110, 206601.	2.9	867
2	Observation of longitudinal spin-Seebeck effect in magnetic insulators. Applied Physics Letters, 2010, 97, 172505.	1.5	636
3	Theory of spin Hall magnetoresistance. Physical Review B, 2013, 87, .	1.1	615
4	Inverse spin-Hall effect induced by spin pumping in metallic system. Journal of Applied Physics, 2011, 109, .	1.1	438
5	Quantitative study of the spin Hall magnetoresistance in ferromagnetic insulator/normal metal hybrids. Physical Review B, 2013, 87, .	1.1	422
6	Longitudinal Spin Seebeck Effect Free from the Proximity Nernst Effect. Physical Review Letters, 2013, 110, 067207.	2.9	279
7	Geometry dependence on inverse spin Hall effect induced by spin pumping in Ni ₈₁ Fe ₁₉ bilayers. Physical Review B, 2012, 85, .	1.1	194
8	Spin mixing conductance at a well-controlled platinum/yttrium iron garnet interface. Applied Physics Letters, 2013, 103, .	1.5	121
9	Rashba-Edelstein Magnetoresistance in Metallic Heterostructures. Physical Review Letters, 2016, 117, 116602.	2.9	103
10	Interface induced inverse spin Hall effect in bismuth/permalloy bilayer. Applied Physics Letters, 2012, 101, 042403.	1.5	76
11	Theory of spin Hall magnetoresistance (SMR) and related phenomena. Journal of Physics Condensed Matter, 2016, 28, 103004.	0.7	73
12	Temperature dependence of inverse Rashba-Edelstein effect at metallic interface. Applied Physics Letters, 2015, 106, .	1.5	55
13	Mechanism of strong enhancement of anomalous Nernst effect in Fe by Ga substitution. Physical Review Materials, 2019, 3, .	0.9	42
14	Frequency dependence of spin pumping in Pt/Y3Fe5O12 film. Journal of Applied Physics, 2011, 109, 116105.	1.1	41
15	Universality of the spin pumping in metallic bilayer films. Applied Physics Letters, 2011, 98, .	1.5	32
16	Acoustic spin pumping: Direct generation of spin currents from sound waves in Pt/Y3Fe5O12 hybrid structures. Journal of Applied Physics, 2012, 111, .	1.1	30
17	Electroresistance Effect in Gold Thin Film Induced by Ionic-Liquid-Gated Electric Double Layer. Applied Physics Express, 2012, 5, 023002.	1.1	29
18	Interface-dependent magnetotransport properties for thin Pt films on ferrimagnetic Y3Fe5O12. Applied Physics Letters, 2014, 104, .	1.5	29

#	ARTICLE	IF	CITATIONS
19	Electric detection of the spin-Seebeck effect in ferromagnetic metals (invited). Journal of Applied Physics, 2010, 107, 09A951.	1.1	26
20	Molecular engineering of Rashba spin-charge converter. Science Advances, 2018, 4, eaar3899.	4.7	24
21	Inverse Spin-Hall Effect Induced by Spin Pumping in Different Thickness Pt Films. IEEE Transactions on Magnetism, 2010, 46, 2202-2204.	1.2	20
22	Above-room-temperature giant thermal conductivity switching in spintronic multilayers. Applied Physics Letters, 2021, 118, .	1.5	18
23	Electrical determination of spin mixing conductance at metal/insulator interface using inverse spin Hall effect. Journal of Applied Physics, 2012, 111, 07C307.	1.1	16
24	Measurement of spin current using spin relaxation modulation induced by spin injection. Journal of Applied Physics, 2009, 105, 07C913.	1.1	15
25	Spin Seebeck Effect in Ni ₈₁ Fe ₁₉ /Pt Thin Films With Different Widths. IEEE Transactions on Magnetism, 2009, 45, 2386-2388.	1.2	13
26	Quantifying spin mixing conductance in Pt (Pt/Ni, Fe, and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 462 Td (Ni ₈₁ /sub>81</sub>)	0.8	12
27	Spin-orbit torques in asymmetric Pt/Co/Pt structures. Physical Review B, 2016, 94, .	1.1	12
28	Manipulation of Spin-Torque Generation Using Ultrathin Au. Physical Review Applied, 2018, 9, .	1.5	9
29	Detection of inverse spin-Hall effect induced in Pt _{1-x} M _x (M = Cu, Au) thin films. Journal of Physics: Conference Series, 2010, 200, 062014.	0.3	8
30	Electric-field-induced on/off switching of anomalous Ettingshausen effect in ultrathin Co films. Applied Physics Express, 2019, 12, 123003.	1.1	8
31	Temperature dependence of Rashba-Edelstein magnetoresistance in Bi/Ag/CoFeB trilayer structures. Applied Physics Letters, 2017, 110, .	1.5	8
32	Electric detection of the spin-Seebeck effect in Ni and Fe thin films at room temperature. Journal of Physics: Conference Series, 2010, 200, 062020.	0.3	7
33	Spin Pumping in Polycrystalline Magnetic Insulator/Metal Pt Films. IEEE Transactions on Magnetism, 2011, 47, 2739-2742.	1.2	7
34	Detection of inverse spin-Hall effect in Nb and Nb ₄₀ Ti ₆₀ thin films. Journal of Physics: Conference Series, 2010, 200, 062038.	0.3	5
35	Inverse spin-Hall effect induced by spin pumping in different size Ni ₈₁ Fe ₁₉ /Pt films. Journal of Physics: Conference Series, 2011, 266, 012100.	0.3	5
36	Thickness dependence of spin pumping at YIG/Pt interface. , 2012, , .		5

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37	Inverse spin Hall effect in Pt/(Ga,Mn)As. Applied Physics Letters, 2015, 106, 222405.	1.5	4
38	Ferromagnetic resonance of Py deposited on ZnO grown by molecular beam epitaxy. Japanese Journal of Applied Physics, 2015, 54, 093001.	0.8	4
39	Direct observation of magneto-Peltier effect in current-in-plane giant magnetoresistive spin valve. Applied Physics Letters, 2019, 115, 092406.	1.5	4
40	Scaling fit of spin pumping in various ferromagnetic materials. Journal of Applied Physics, 2012, 111, 07C502.	1.1	3
41	Inverse Spin-Hall Effect in Pt _{1-x} M _x (M = Cu, Au)Thin Films. Journal of the Magnetism Society of Japan, 2010, 34, 337-341.	0.5	3
42	Spin pumping blocked by single-layer graphene. Applied Physics Express, 2015, 8, 073009.	1.1	2
43	Suppression of Spin Pumping in the Presence of Thin Titanium Interlayer. Key Engineering Materials, 2012, 508, 347-352.	0.4	1
44	Microwave-power Dependence of Inverse Spin-Hall Effect Induced by Spin Pumping in Ni ₈₁ Fe ₁₉ /Au Thin Films. Hyomen Kagaku, 2009, 30, 688-693.	0.0	1