

Hiroyasu Nakayama

List of Publications by Year in descending order

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361296
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docs citations

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3092
citing authors

#	ARTICLE	IF	CITATIONS
1	Above-room-temperature giant thermal conductivity switching in spintronic multilayers. Applied Physics Letters, 2021, 118, .	1.5	18
2	Direct observation of magneto-Peltier effect in current-in-plane giant magnetoresistive spin valve. Applied Physics Letters, 2019, 115, 092406.	1.5	4
3	Electric-field-induced on/off switching of anomalous Ettingshausen effect in ultrathin Co films. Applied Physics Express, 2019, 12, 123003.	1.1	8
4	Mechanism of strong enhancement of anomalous Nernst effect in Fe by Ga substitution. Physical Review Materials, 2019, 3, .	0.9	42
5	Molecular engineering of Rashba spin-charge converter. Science Advances, 2018, 4, eaar3899.	4.7	24
6	Manipulation of Spin-Torque Generation Using Ultrathin Au. Physical Review Applied, 2018, 9, .	1.5	9
7	Temperature dependence of Rashba-Edelstein magnetoresistance in Bi/Ag/CoFeB trilayer structures. Applied Physics Letters, 2017, 110, .	1.5	8
8	Spin-orbit torques in asymmetric Pt/Co/Pt structures. Physical Review B, 2016, 94, .	1.1	12
9	Rashba-Edelstein Magnetoresistance in Metallic Heterostructures. Physical Review Letters, 2016, 117, 116602.	2.9	103
10	Theory of spin Hall magnetoresistance (SMR) and related phenomena. Journal of Physics Condensed Matter, 2016, 28, 103004.	0.7	73
11	Spin pumping blocked by single-layer graphene. Applied Physics Express, 2015, 8, 073009.	1.1	2
12	Temperature dependence of inverse Rashba-Edelstein effect at metallic interface. Applied Physics Letters, 2015, 106, .	1.5	55
13	Inverse spin Hall effect in Pt/(Ga,Mn)As. Applied Physics Letters, 2015, 106, 222405.	1.5	4
14	Ferromagnetic resonance of Py deposited on ZnO grown by molecular beam epitaxy. Japanese Journal of Applied Physics, 2015, 54, 093001.	0.8	4
15	Interface-dependent magnetotransport properties for thin Pt films on ferrimagnetic Y3Fe5O12. Applied Physics Letters, 2014, 104, .	1.5	29
16	Spin mixing conductance at a well-controlled platinum/yttrium iron garnet interface. Applied Physics Letters, 2013, 103, .	1.5	121
17	Theory of spin Hall magnetoresistance. Physical Review B, 2013, 87, .	1.1	615
18	Quantitative study of the spin Hall magnetoresistance in ferromagnetic insulator/normal metal hybrids. Physical Review B, 2013, 87, .	1.1	422

#	ARTICLE	IF	CITATIONS
19	Spin Hall Magnetoresistance Induced by a Nonequilibrium Proximity Effect. Physical Review Letters, 2013, 110, 206601.	2.9	867
20	Longitudinal Spin Seebeck Effect Free from the Proximity Nernst Effect. Physical Review Letters, 2013, 110, 067207.	2.9	279
21	Suppression of Spin Pumping in the Presence of Thin Titanium Interlayer. Key Engineering Materials, 2012, 508, 347-352.	0.4	1
22	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
23	Scaling fit of spin pumping in various ferromagnetic materials. Journal of Applied Physics, 2012, 111, 07C502.	1.1	3
24	Electroresistance Effect in Gold Thin Film Induced by Ionic-Liquid-Gated Electric Double Layer. Applied Physics Express, 2012, 5, 023002.	1.1	29
25	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
26	Thickness dependence of spin pumping at YIG/Pt interface. , 2012, , .		5
27	Geometry dependence on inverse spin Hall effect induced by spin pumping in Ni ₈₁ Fe ₁₉ /Pt films. Physical Review B, 2012, 85, .	1.1	194
28	Interface induced inverse spin Hall effect in bismuth/permalloy bilayer. Applied Physics Letters, 2012, 101, 042403.	1.5	76
29	Universality of the spin pumping in metallic bilayer films. Applied Physics Letters, 2011, 98, .	1.5	32
30	Inverse spin-Hall effect induced by spin pumping in metallic system. Journal of Applied Physics, 2011, 109, .	1.1	438
31	Quantifying spin mixing conductance in F/Pt ($F=Ni, Fe, \text{ and } Tj$) ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 262 Td (Ni₈₁Fe₁₉/Pt films. Journal of Applied Physics, 2011, 109, 116105.	1.1	41
32	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
33	Spin Pumping in Polycrystalline Magnetic Insulator/Metal Pt Films. IEEE Transactions on Magnetics, 2011, 47, 2739-2742.	1.2	7
34	Frequency dependence of spin pumping in Pt/Y3Fe5O12 film. Journal of Applied Physics, 2011, 109, 116105.	1.1	41
35	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
36	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

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37	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
38	Inverse Spin-Hall Effect Induced by Spin Pumping in Different Thickness Pt Films. IEEE Transactions on Magnetism, 2010, 46, 2202-2204.	1.2	20
39	Electric detection of the spin-Seebeck effect in ferromagnetic metals (invited). Journal of Applied Physics, 2010, 107, 09A951.	1.1	26
40	Observation of longitudinal spin-Seebeck effect in magnetic insulators. Applied Physics Letters, 2010, 97, 172505.	1.5	636
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	Measurement of spin current using spin relaxation modulation induced by spin injection. Journal of Applied Physics, 2009, 105, 07C913.	1.1	15
43	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
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