

Ken-ichi Uchida

List of Publications by Year in descending order

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183
papers

13,766
citations

44069

48
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20961

115
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193
all docs

193
docs citations

193
times ranked

5936
citing authors

#	ARTICLE	IF	CITATIONS
1	Magnonics vs. Ferronics. Journal of Magnetism and Magnetic Materials, 2022, 541, 168468.	2.3	12
2	Thermoelectric Polarization Transport in Ferroelectric Ballistic Point Contacts. Physical Review Letters, 2022, 128, 047601.	7.8	10
3	Process gas dependence of the spin Peltier effect in Pt/Fe ₃ O ₄ hybrid structures. Applied Physics Express, 2022, 15, 013004.	2.4	0
4	Anisotropy boosts transverse thermoelectrics. Nature Materials, 2022, 21, 136-137.	27.5	7
5	Phase-transition-induced giant Thomson effect for thermoelectric cooling. Applied Physics Reviews, 2022, 9, .	11.3	13
6	Deposition temperature dependence of thermo-spin and magneto-thermoelectric conversion in Co ₂ MnGa films on Y ₃ Fe ₅ O ₁₂ and Gd ₃ Ga ₅ O ₁₂ . Applied Physics Letters, 2022, 120, .	3.3	2
7	Large Antisymmetric Interlayer Exchange Coupling Enabling Perpendicular Magnetization Switching by an In-Plane Magnetic Field. Physical Review Applied, 2022, 17, .	3.8	9
8	Seebeck-driven transverse thermoelectric generation in on-chip devices. Journal Physics D: Applied Physics, 2022, 55, 335002.	2.8	5
9	Thickness dependence of anomalous Hall and Nernst effects in Ni-Fe thin films. Physical Review B, 2022, 105, .	3.2	11
10	Enhancement of the anomalous Nernst effect in Ni/Pt superlattices. Physical Review B, 2021, 103, .	3.2	34
11	Strain-induced cooling-heating switching of anisotropic magneto-Peltier effect. Applied Physics Letters, 2021, 118, .	3.3	6
12	High-throughput imaging measurements of thermoelectric figure of merit. Science and Technology of Advanced Materials Methods, 2021, 1, 162-168.	1.3	3
13	Seebeck-driven transverse thermoelectric generation. Nature Materials, 2021, 20, 463-467.	27.5	102
14	Above-room-temperature giant thermal conductivity switching in spintronic multilayers. Applied Physics Letters, 2021, 118, .	3.3	18
15	Transport phenomena in spin caloritronics. Proceedings of the Japan Academy Series B: Physical and Biological Sciences, 2021, 97, 69-88.	3.8	50
16	Combinatorial tuning of electronic structure and thermoelectric properties in Co ₂ MnAl _{1-x} Si _x Weyl semimetals. APL Materials, 2021, 9, .	5.1	14
17	Transverse thermoelectric generation using magnetic materials. Applied Physics Letters, 2021, 118, .	3.3	56
18	Magneto-optical design of anomalous Nernst thermopile. Scientific Reports, 2021, 11, 11228.	3.3	6

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19	Theory of Transport in Ferroelectric Capacitors. <i>Physical Review Letters</i> , 2021, 126, 187603.	7.8	17
20	Local heat emission due to unidirectional spin-wave heat conveyer effect observed by lock-in thermography. <i>Applied Physics Letters</i> , 2021, 118, .	3.3	5
21	Simultaneous harvesting of radiative cooling and solar heating for transverse thermoelectric generation. <i>Science and Technology of Advanced Materials</i> , 2021, 22, 441-448.	6.1	9
22	Lock-in thermorefectance as a tool for investigating spin caloritronics. <i>Journal Physics D: Applied Physics</i> , 2021, 54, 354001.	2.8	3
23	Phenomenological analysis of transverse thermoelectric generation and cooling performance in magnetic/thermoelectric hybrid systems. <i>Journal of Applied Physics</i> , 2021, 129, .	2.5	12
24	Temperature dependence of anisotropic magneto-Seebeck effect in NiPt alloys. <i>Applied Physics Express</i> , 2021, 14, 073001.	2.4	4
25	Spin Hall effect in a non-equilibrium Cu ₇₆ Ir ₂₄ alloy measured at various temperatures. <i>AIP Advances</i> , 2021, 11, 095221.	1.3	2
26	Spintronic Thermal Management. <i>Journal of the Physical Society of Japan</i> , 2021, 90, .	1.6	17
27	Probing Thermal Magnon Current Mediated by Coherent Magnon via Nitrogen-Vacancy Centers in Diamond. <i>Physical Review Applied</i> , 2021, 16, .	3.8	9
28	Interface Effects in Spin Caloritronics. <i>Vacuum and Surface Science</i> , 2021, 64, 562-567.	0.1	0
29	A perspective on two-dimensional van der Waals opto-spin-caloritronics. <i>Applied Physics Letters</i> , 2021, 119, .	3.3	10
30	Magneto-optical painting of heat current. <i>Nature Communications</i> , 2020, 11, 2.	12.8	49
31	High-temperature dependence of anomalous Ettingshausen effect in SmCo ₅ -type permanent magnets. <i>Applied Physics Letters</i> , 2020, 117, .	3.3	18
32	Large spin-Hall effect in non-equilibrium binary copper alloys beyond the solubility limit. <i>Communications Materials</i> , 2020, 1, .	6.9	23
33	Observation of the Magneto-Thomson Effect. <i>Physical Review Letters</i> , 2020, 125, 106601.	7.8	17
34	Dynamic Electrical Pathway Tuning in Neuromorphic Nanowire Networks. <i>Advanced Functional Materials</i> , 2020, 30, 2003679.	14.9	28
35	Simultaneous achievement of high thermal conductivity, high strength and formability in Mg-Zn-Ca-Zr sheet alloy. <i>Materials Research Letters</i> , 2020, 8, 335-340.	8.7	43
36	Simultaneous direct measurements of conventional and inverse magnetocaloric effects in Ni ²⁺ -Mn-based Heusler alloys using lock-in thermography technique. <i>AIP Advances</i> , 2020, 10, 065005.	1.3	9

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37	Strain-induced enhancement of the Seebeck effect in magnetic tunneling junctions via interface resonant tunneling: Ab initio study. Physical Review B, 2020, 101, .	3.2	4
38	Enhancement of temperature change induced by anomalous Ettingshausen effect in thin Ni films on suspended membrane substrates. Applied Physics Letters, 2020, 116, .	3.3	8
39	Enhancement of charge-to-spin current conversion in a Ni/Pt bilayer film detected by spin Peltier effect. Japanese Journal of Applied Physics, 2020, 59, 050901.	1.5	2
40	Non-contact imaging detection of thermal Hall effect signature by periodic heating method using lock-in thermography. Journal of Applied Physics, 2020, 128, .	2.5	3
41	Transient response of the spin Peltier effect revealed by lock-in thermoreflectance measurements. Physical Review B, 2020, 101, .	3.2	11
42	Spin-mediated charge-to-heat current conversion phenomena in ferromagnetic binary alloys. Physical Review Materials, 2020, 4, .	2.4	24
43	Perpendicularly magnetized Ni/Pt (001) epitaxial superlattice. Physical Review Materials, 2020, 4, .	2.4	11
44	Machine learning analysis of tunnel magnetoresistance of magnetic tunnel junctions with disordered $\text{MgA} \times \text{Mn}^2 \times \text{O}$ Physical Review Research, 2020, 2, .	3.6	9
45	Thickness dependence of spin Peltier effect visualized by thermal imaging technique. Applied Physics Express, 2020, 13, 103001.	2.4	7
46	Thermal transport properties of Ni-Co-based superalloy. AIP Advances, 2020, 10, .	1.3	4
47	Interfacial ferromagnetism and atomic structures in high-temperature grown Fe ₃ O ₄ /Pt/Fe ₃ O ₄ epitaxial trilayers. Journal of Applied Physics, 2019, 126, .	2.5	12
48	Direct observation of magneto-Peltier effect in current-in-plane giant magnetoresistive spin valve. Applied Physics Letters, 2019, 115, 092406.	3.3	4
49	Strain-induced switching of heat current direction generated by magneto-thermoelectric effects. Scientific Reports, 2019, 9, 13197.	3.3	11
50	Interface-induced anomalous Nernst effect in Fe ₃ O ₄ /Pt-based heterostructures. Applied Physics Letters, 2019, 114, .	3.3	32
51	First-principles study of the anisotropic magneto-Peltier effect. Physical Review B, 2019, 99, .	3.2	18
52	Thermopile based on anisotropic magneto-Peltier effect. Applied Physics Letters, 2019, 114, .	3.3	8
53	Systematic Investigation of Anisotropic Magneto-Peltier Effect and Anomalous Ettingshausen Effect in Ni Thin Films. Physical Review Applied, 2019, 11, .	3.8	28
54	Anomalous Ettingshausen effect in ferrimagnetic Co-Gd. Applied Physics Express, 2019, 12, 023006.	2.4	20

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55	Machine-learning guided discovery of a new thermoelectric material. Scientific Reports, 2019, 9, 2751.	3.3	74
56	Observation of anomalous Ettingshausen effect and large transverse thermoelectric conductivity in permanent magnets. Applied Physics Letters, 2019, 115, .	3.3	44
57	Electric-field-induced on/off switching of anomalous Ettingshausen effect in ultrathin Co films. Applied Physics Express, 2019, 12, 123003.	2.4	8
58	Thermoelectric microscopy of magnetic skyrmions. Scientific Reports, 2019, 9, 18443.	3.3	14
59	Spin caloritronic Measurements: A Round Robin Comparison of the Longitudinal Spin Seebeck Effect. IEEE Transactions on Instrumentation and Measurement, 2019, 68, 1765-1773.	4.7	19
60	Thickness dependence of transverse thermoelectric voltage in Co ₄₀ Fe ₆₀ /YIG magnetic junctions. Journal of Magnetism and Magnetic Materials, 2019, 471, 439-443.	2.3	7
61	Mechanism of strong enhancement of anomalous Nernst effect in Fe by Ga substitution. Physical Review Materials, 2019, 3, .	2.4	42
62	Anomalous Ettingshausen Effect: Novel Functionality for Thermal Management Utilizing Magneto-thermoelectric Effect. Journal of the Institute of Electrical Engineers of Japan, 2019, 139, 662-667.	0.0	0
63	Lock-in thermography measurements of the spin Peltier effect in a compensated ferrimagnet and its comparison to the spin Seebeck effect. Journal Physics D: Applied Physics, 2018, 51, 194002.	2.8	21
64	Visualization of anomalous Ettingshausen effect in a ferromagnetic film: Direct evidence of different symmetry from spin Peltier effect. Applied Physics Letters, 2018, 112, .	3.3	53
65	Annealing-temperature-dependent voltage-sign reversal in all-oxide spin Seebeck devices using RuO ₂ . Journal Physics D: Applied Physics, 2018, 51, 154002.	2.8	6
66	Anomalous reversal of transverse thermoelectric voltage in Co/Pt junction. Journal of Magnetism and Magnetic Materials, 2018, 447, 134-138.	2.3	11
67	Charge-current angle and frequency dependences of the spin Peltier effect induced by the spin Hall effect. Japanese Journal of Applied Physics, 2018, 57, 0902B6.	1.5	9
68	Spin Caloritronic Measurements: A Round Robin Comparison of the Longitudinal Spin Seebeck Effect. , 2018, , .		1
69	Combinatorial investigation of spin-orbit materials using spin Peltier effect. Scientific Reports, 2018, 8, 16067.	3.3	18
70	Observation of anisotropic magneto-Peltier effect in nickel. Nature, 2018, 558, 95-99.	27.8	73
71	Enhanced thermo-spin effects in iron-oxide/metal multilayers. Journal Physics D: Applied Physics, 2018, 51, 224003.	2.8	9
72	Thermographic measurements of spin-current-induced temperature modulation in metallic bilayers. Physical Review B, 2018, 98, .	3.2	25

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73	Generating Spin Current from Mid Infrared Plasmonic Metamaterial Absorbers. , 2018, , .		1
74	Relationship between anomalous Ettingshausen effect and anomalous Nernst effect in an FePt thin film. Journal Physics D: Applied Physics, 2018, 51, 254001.	2.8	35
75	Temperature dependence of the spin Seebeck effect in [Fe ₃ O ₄ /Pt] _n multilayers. AIP Advances, 2017, 7, .	1.3	19
76	Spin-current-induced magnetoresistance in trilayer structure with nonmagnetic metallic interlayer. Japanese Journal of Applied Physics, 2017, 56, 040306.	1.5	2
77	Spin Seebeck effect in insulating epitaxial $\text{Fe}_3\text{O}_4/\text{Pt}$ thin films. APL Materials, 2017, 5, .	5.1	23
78	Wavelength-selective spin-current generator using infrared plasmonic metamaterials. APL Photonics, 2017, 2, .	5.7	12
79	High-throughput direct measurement of magnetocaloric effect based on lock-in thermography technique. Applied Physics Letters, 2017, 111, .	3.3	23
80	Terahertz Spin Currents and Inverse Spin Hall Effect in Thin-Film Heterostructures Containing Complex Magnetic Compounds. Spin, 2017, 07, 1740010.	1.3	65
81	Magnon-polaron transport in magnetic insulators. Physical Review B, 2017, 95, .	3.2	92
82	Unexpected structural and magnetic depth dependence of YIG thin films. Physical Review B, 2017, 96, .	3.2	41
83	Thermographic measurements of the spin Peltier effect in metal/yttrium-iron-garnet junction systems. Physical Review B, 2017, 96, .	3.2	38
84	Magnetic-field-induced decrease of the spin Peltier effect in $\text{Pt}/\text{Y}_3\text{Fe}_5\text{O}_{12}$ system at room temperature. Physical Review B, 2017, 96, .	3.2	21
85	Electric field effect on magnetic anisotropy for Fe-Pt-Pd alloys. AIP Advances, 2017, 7, .	1.3	2
86	Time-resolved study of field-induced suppression of longitudinal spin Seebeck effect. Applied Physics Express, 2017, 10, 073002.	2.4	13
87	Enhancement of the spin Peltier effect in multilayers. Physical Review B, 2017, 95, .	3.2	36
88	Detection of induced paramagnetic moments in Pt on $\text{Y}_3\text{Fe}_5\text{O}_{12}$ via x-ray magnetic circular dichroism. Physical Review B, 2017, 95, .	3.2	19
89	Concomitant enhancement of the longitudinal spin Seebeck effect and the thermal conductivity in a Pt/YIG/Pt system at low temperatures. Physical Review B, 2017, 95, .	3.2	52
90	One-dimensional spinon spin currents. Nature Physics, 2017, 13, 30-34.	16.7	111

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91	Probing length-scale separation of thermal and spin currents by nanostructuring YIG. Physical Review Materials, 2017, 1, .	2.4	18
92	Spin Seebeck effect. , 2017, , .		0
93	Corrections to "Thermoelectric Generation Based on Spin Seebeck Effects" [DOI: 10.1109/JPROC.2016.2535167]. Proceedings of the IEEE, 2016, 104, 1499-1499.	21.3	11
94	Complete Suppression of Longitudinal Spin Seebeck Effect by Frozen Magnetization Dynamics in $\text{Y}_3\text{Fe}_5\text{O}_{12}$. Journal of the Physical Society of Japan, 2016, 85, 065003.	1.6	13
95	Improvement of Mixing Conductance and Spin-Seebeck Effect at Fe Interface Treatment. MRS Advances, 2016, 1, 3959-3964.	0.9	2
96	Flexible heat-flow sensing sheets based on the longitudinal spin Seebeck effect using one-dimensional spin-current conducting films. Scientific Reports, 2016, 6, 23114.	3.3	64
97	Gamma radiation resistance of spin Seebeck devices. Applied Physics Letters, 2016, 109, .	3.3	4
98	Spin-current-driven thermoelectric generation based on interfacial spin-orbit coupling. Applied Physics Letters, 2016, 108, 242409.	3.3	8
99	Thermoelectric performance of spin Seebeck effect in $\text{Fe}_3\text{O}_4/\text{Pt}$ -based thin film heterostructures. APL Materials, 2016, 4, 104802.	5.1	42
100	Thermal imaging of spin Peltier effect. Nature Communications, 2016, 7, 13754.	12.8	114
101	Thermoelectric Generation Based on Spin Seebeck Effects. Proceedings of the IEEE, 2016, 104, 1946-1973.	21.3	232
102	Spin Current Physics and Its Thermoelectric Application. , 2016, , 327-341.		0
103	Magnon Polarons in the Spin Seebeck Effect. Physical Review Letters, 2016, 117, 207203.	7.8	151
104	Spin-current probe for phase transition in an insulator. Nature Communications, 2016, 7, 12670.	12.8	148
105	Observation of temperature-gradient-induced magnetization. Nature Communications, 2016, 7, 12265.	12.8	13
106	Intrinsic surface magnetic anisotropy in $\text{Y}_3\text{Fe}_5\text{O}_{12}$ as the origin of low-magnetic-field behavior of the spin Seebeck effect. Physical Review B, 2015, 92, .	3.2	168
107	Critical suppression of spin Seebeck effect by magnetic fields. Physical Review B, 2015, 92, .	3.2	168
108	Enhancement of anomalous Nernst effects in metallic multilayers free from proximity-induced magnetism. Physical Review B, 2015, 92, .	3.2	94

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109	Unconventional scaling and significant enhancement of the spin Seebeck effect in multilayers. Physical Review B, 2015, 92, .	3.2	73
110	Spin-current injection and detection in $\text{In}^{\text{e}}\text{-(BEDT-TTF)}_2\text{Cu}[\text{N}(\text{CN})_2]\text{Br}$. AIP Advances, 2015, 5, 057167.	1.3	14
111	All-oxide spin Seebeck effects. Applied Physics Express, 2015, 8, 083001.	2.4	26
112	Spin Hall magnetoresistance at high temperatures. Applied Physics Letters, 2015, 106, 052405.	3.3	23
113	Generation of spin currents by surface plasmon resonance. Nature Communications, 2015, 6, 5910.	12.8	49
114	Observation of longitudinal spin-Seebeck effect in cobalt-ferrite epitaxial thin films. AIP Advances, 2015, 5, .	1.3	36
115	Influence of interface condition on spin-Seebeck effects. Journal Physics D: Applied Physics, 2015, 48, 164013.	2.8	37
116	Laser micro-processing as a tool for constructing insulator-based magnonic crystal. Journal Physics D: Applied Physics, 2015, 48, 164014.	2.8	9
117	Enhancement of spin-Seebeck effect by inserting ultra-thin $\text{Fe}_{70}\text{Cu}_{30}$ interlayer. Applied Physics Letters, 2015, 106, .	3.3	34
118	Evaluation of thermal gradients in longitudinal spin Seebeck effect measurements. Journal of Applied Physics, 2015, 117, .	2.5	38
119	Observation of inverse spin Hall effect in ferromagnetic FePt alloys using spin Seebeck effect. Applied Physics Letters, 2015, 107, .	3.3	40
120	Sign of inverse spin Hall voltages generated by ferromagnetic resonance and temperature gradients in yttrium iron garnet platinum bilayers. Journal Physics D: Applied Physics, 2015, 48, 025001.	2.8	52
121	Interface-dependent magnetotransport properties for thin Pt films on ferrimagnetic $\text{Y}_3\text{Fe}_5\text{O}_{12}$. Applied Physics Letters, 2014, 104, .	3.3	29
122	Spin current generation from sputtered $\text{Y}_3\text{Fe}_5\text{O}_{12}$ films. Journal of Applied Physics, 2014, 116, .	2.5	52
123	Quantitative Temperature Dependence of Longitudinal Spin Seebeck Effect at High Temperatures. Physical Review X, 2014, 4, .	8.9	71
124	Anomalous Nernst effect of Fe_3O_4 single crystal. Physical Review B, 2014, 90, .	3.2	100
125	Longitudinal spin Seebeck effect: from fundamentals to applications. Journal of Physics Condensed Matter, 2014, 26, 343202.	1.8	178
126	Pure detection of the acoustic spin pumping in Pt/YIG/PZT structures. Solid State Communications, 2014, 198, 26-29.	1.9	5

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127	Spin-Seebeck thermoelectric converter. , 2014, , .		3
128	Spin-relaxation modulation and spin-pumping control by transverse spin-wave spin current in Y3Fe5O12. Applied Physics Letters, 2013, 103, 052404.	3.3	7
129	Thermal imaging of standing spin waves. Applied Physics Letters, 2013, 103, 052410.	3.3	7
130	Spin mixing conductance at a well-controlled platinum/yttrium iron garnet interface. Applied Physics Letters, 2013, 103, .	3.3	121
131	Spin-Wave Spin Current in Magnetic Insulators. Solid State Physics, 2013, , 1-27.	0.5	12
132	Heat-induced damping modification in yttrium iron garnet/platinum hetero-structures. Applied Physics Letters, 2013, 102, .	3.3	46
133	Spin Current: Experimental and Theoretical Aspects. Journal of the Physical Society of Japan, 2013, 82, 102002.	1.6	93
134	Thermally driven spin and charge currents in thin NiFe O films. Physical Review B, 2013, 87, .	3.2	105
135	Longitudinal spin Seebeck effect in various garnet ferrites. Physical Review B, 2013, 87, .	3.2	101
136	Observation of the spin Seebeck effect in epitaxial Fe3O4 thin films. Applied Physics Letters, 2013, 102, .	3.3	163
137	Unidirectional spin-wave heat conveyer. Nature Materials, 2013, 12, 549-553.	27.5	125
138	Theory of the spin Seebeck effect. Reports on Progress in Physics, 2013, 76, 036501.	20.1	374
139	Spin Hall Magnetoresistance Induced by a Nonequilibrium Proximity Effect. Physical Review Letters, 2013, 110, 206601.	7.8	867
140	Longitudinal Spin Seebeck Effect Free from the Proximity Nernst Effect. Physical Review Letters, 2013, 110, 067207.	7.8	279
141	Separation of longitudinal spin Seebeck effect from anomalous Nernst effect: Determination of origin of transverse thermoelectric voltage in metal/insulator junctions. Physical Review B, 2013, 88, .	3.2	126
142	Experimental investigation of spin Hall effect in indium tin oxide thin film. Applied Physics Letters, 2013, 103, 182404.	3.3	21
143	Suppression of Spin Pumping in the Presence of Thin Titanium Interlayer. Key Engineering Materials, 2012, 508, 347-352.	0.4	1
144	Thermal artifact on the spin Seebeck effect in metallic thin films deposited on MgO substrates. Journal of Applied Physics, 2012, 111, .	2.5	11

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145	All-oxide system for spin pumping. Applied Physics Letters, 2012, 100, 022402.	3.3	31
146	Acoustic spin pumping: Direct generation of spin currents from sound waves in Pt/Y3Fe5O12 hybrid structures. Journal of Applied Physics, 2012, 111, .	2.5	30
147	Spin-current-driven thermoelectric coating. Nature Materials, 2012, 11, 686-689.	27.5	248
148	Anomalous Nernst Effect in an L1 ₀ -Ordered Epitaxial FePt Thin Film. Applied Physics Express, 2012, 5, 093002.	2.4	93
149	Enhancement of Spin-Seebeck Voltage by Spin-Hall Thermopile. Applied Physics Express, 2012, 5, 093001.	2.4	47
150	Geometry dependence on inverse spin Hall effect induced by spin pumping in Ni ₈₁ Fe ₁₉ films. Physical Review B, 2012, 85, .	3.2	194
151	Thermal spin pumping and magnon-phonon-mediated spin-Seebeck effect. Journal of Applied Physics, 2012, 111, .	2.5	140
152	Interface induced inverse spin Hall effect in bismuth/permalloy bilayer. Applied Physics Letters, 2012, 101, 042403.	3.3	76
153	Local Spin-Seebeck Effect Enabling Two-Dimensional Position Sensing. Japanese Journal of Applied Physics, 2011, 50, 120211.	1.5	16
154	Long-range spin Seebeck effect and acoustic spin pumping. Nature Materials, 2011, 10, 737-741.	27.5	235
155	Electric detection of the spin-Seebeck effect in magnetic insulator in the presence of interface barrier. Journal of Physics: Conference Series, 2011, 303, 012096.	0.4	2
156	Surface-acoustic-wave-driven spin pumping in Y3Fe5O12/Pt hybrid structure. Applied Physics Letters, 2011, 99, .	3.3	44
157	Spin Seebeck effect in thin films of the Heusler compound Co ₂ MnSi. Physical Review B, 2011, 83, .	3.2	151
158	Surface acoustic wave micromotor with arbitrary axis rotational capability. Applied Physics Letters, 2011, 99, .	3.3	10
159	Local Spin-Seebeck Effect Enabling Two-Dimensional Position Sensing. Japanese Journal of Applied Physics, 2011, 50, 120211.	1.5	18
160	Detection of inverse spin-Hall effect in Nb and Nb ₄₀ Ti ₆₀ thin films. Journal of Physics: Conference Series, 2010, 200, 062038.	0.4	5
161	Electric detection of the spin-Seebeck effect in Ni and Fe thin films at room temperature. Journal of Physics: Conference Series, 2010, 200, 062020.	0.4	7
162	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.	0.4	8

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163	Inverse Spin-Hall Effect Induced by Spin Pumping in Various Metals. IEEE Transactions on Magnetics, 2010, 46, 1331-1333.	2.1	11
164	Inverse Spin-Hall Effect Induced by Spin Pumping in Different Thickness Pt Films. IEEE Transactions on Magnetics, 2010, 46, 2202-2204.	2.1	20
165	Inverse Spin-Hall Effect Induced by Spin Pumping in Various Metals*. IEEE Transactions on Magnetics, 2010, 46, 3694-3696.	2.1	15
166	Modulation of gyromagnetic ratio in thin film due to spin pumping. Journal of Magnetism and Magnetic Materials, 2010, 322, 1425-1427.	2.3	3
167	Angular dependence of inverse spin-Hall effect induced by spin pumping: Experimental verification of phenomenological model of spin pumping. Journal of Magnetism and Magnetic Materials, 2010, 322, 1422-1424.	2.3	1
168	Spin-Seebeck effects in films. Solid State Communications, 2010, 150, 524-528.	1.9	78
169	Transmission of electrical signals by spin-wave interconversion in a magnetic insulator. Nature, 2010, 464, 262-266.	27.8	1,364
170	Spin Seebeck insulator. Nature Materials, 2010, 9, 894-897.	27.5	1,088
171	Theory of magnon-driven spin Seebeck effect. Physical Review B, 2010, 81, .	3.2	557
172	Electric detection of the spin-Seebeck effect in ferromagnetic metals (invited). Journal of Applied Physics, 2010, 107, 09A951.	2.5	26
173	Gigantic enhancement of spin Seebeck effect by phonon drag. Applied Physics Letters, 2010, 97, .	3.3	157
174	Observation of longitudinal spin-Seebeck effect in magnetic insulators. Applied Physics Letters, 2010, 97, 172505.	3.3	636
175	Longitudinal spin-Seebeck effect in sintered polycrystalline (Mn,Zn)Fe ₂ O ₄ . Applied Physics Letters, 2010, 97, .	3.3	133
176	Phenomenological analysis for spin-Seebeck effect in metallic magnets. Journal of Applied Physics, 2009, 105, 07C908.	2.5	36
177	Measurement of spin current using spin relaxation modulation induced by spin injection. Journal of Applied Physics, 2009, 105, 07C913.	2.5	15
178	Spin Seebeck Effect in Ni ₈₁ Fe ₁₉ /Pt Thin Films With Different Widths. IEEE Transactions on Magnetics, 2009, 45, 2386-2388.	2.1	13
179	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
180	Observation of the spin Seebeck effect. Nature, 2008, 455, 778-781.	27.8	1,858

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181	Spin Pumping in a Ferromagnetic/Nonmagnetic/Spin-Sink Trilayer Film: Spin Current Termination. Key Engineering Materials, 0, 508, 266-270.	0.4	11
182	Elastocaloric Kirigami Temperature Modulator. Advanced Functional Materials, 0, , 2201116.	14.9	6
183	Spin Peltier effect and its length scale in Pt/YIG system at high temperatures. Applied Physics Express, 0, , .	2.4	1