

# Ken-ichi Uchida

## List of Publications by Year in descending order

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Version: 2024-02-01

183  
papers

13,766  
citations

44069

48  
h-index

20961

115  
g-index

193  
all docs

193  
docs citations

193  
times ranked

5936  
citing authors

#	ARTICLE	IF	CITATIONS
1	Observation of the spin Seebeck effect. Nature, 2008, 455, 778-781.	27.8	1,858
2	Transmission of electrical signals by spin-wave interconversion in a magnetic insulator. Nature, 2010, 464, 262-266.	27.8	1,364
3	Spin Seebeck insulator. Nature Materials, 2010, 9, 894-897.	27.5	1,088
4	Spin Hall Magnetoresistance Induced by a Nonequilibrium Proximity Effect. Physical Review Letters, 2013, 110, 206601.	7.8	867
5	Observation of longitudinal spin-Seebeck effect in magnetic insulators. Applied Physics Letters, 2010, 97, 172505.	3.3	636
6	Theory of magnon-driven spin Seebeck effect. Physical Review B, 2010, 81, .	3.2	557
7	Theory of the spin Seebeck effect. Reports on Progress in Physics, 2013, 76, 036501.	20.1	374
8	Longitudinal Spin Seebeck Effect Free from the Proximity Nernst Effect. Physical Review Letters, 2013, 110, 067207.	7.8	279
9	Spin-current-driven thermoelectric coating. Nature Materials, 2012, 11, 686-689.	27.5	248
10	Long-range spin Seebeck effect and acoustic spin pumping. Nature Materials, 2011, 10, 737-741.	27.5	235
11	Thermoelectric Generation Based on Spin Seebeck Effects. Proceedings of the IEEE, 2016, 104, 1946-1973.	21.3	232
12	Geometry dependence on inverse spin Hall effect induced by spin pumping in Ni <sub>81</sub> Fe <sub>19</sub> films. Physical Review B, 2012, 85, .	3.2	194
13	Longitudinal spin Seebeck effect: from fundamentals to applications. Journal of Physics Condensed Matter, 2014, 26, 343202.	1.8	178
14	Critical suppression of spin Seebeck effect by magnetic fields. Physical Review B, 2015, 92, .	3.2	168
15	Observation of the spin Seebeck effect in epitaxial Fe <sub>3</sub> O <sub>4</sub> thin films. Applied Physics Letters, 2013, 102, .	3.3	163
16	Gigantic enhancement of spin Seebeck effect by phonon drag. Applied Physics Letters, 2010, 97, .	3.3	157
17	Spin Seebeck effect in thin films of the Heusler compound Co <sub>2</sub> MnSi. Physical Review B, 2011, 83, .	3.2	151
18	Magnon Polarons in the Spin Seebeck Effect. Physical Review Letters, 2016, 117, 207203.	7.8	151

#	ARTICLE	IF	CITATIONS
19	Spin-current probe for phase transition in an insulator. Nature Communications, 2016, 7, 12670.	12.8	148
20	Thermal spin pumping and magnon-phonon-mediated spin-Seebeck effect. Journal of Applied Physics, 2012, 111, .	2.5	140
21	Longitudinal spin-Seebeck effect in sintered polycrystalline (Mn,Zn)Fe <sub>2</sub> O <sub>4</sub> . Applied Physics Letters, 2010, 97, .	3.3	133
22	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
23	Unidirectional spin-wave heat conveyer. Nature Materials, 2013, 12, 549-553.	27.5	125
24	Spin mixing conductance at a well-controlled platinum/yttrium iron garnet interface. Applied Physics Letters, 2013, 103, .	3.3	121
25	Thermal imaging of spin Peltier effect. Nature Communications, 2016, 7, 13754.	12.8	114
26	One-dimensional spinon spin currents. Nature Physics, 2017, 13, 30-34.	16.7	111
27	Thermally driven spin and charge currents in thin NiFe <sub>2</sub> O <sub>3</sub> /Pt films. Physical Review B, 2013, 87, .	3.2	105
28	Seebeck-driven transverse thermoelectric generation. Nature Materials, 2021, 20, 463-467.	27.5	102
29	Longitudinal spin Seebeck effect in various garnet ferrites. Physical Review B, 2013, 87, .	3.2	101
30	Anomalous Nernst effect of Fe <sub>3</sub> O <sub>4</sub> single crystal. Physical Review B, 2014, 90, .	3.2	100
31	Enhancement of anomalous Nernst effects in metallic multilayers free from proximity-induced magnetism. Physical Review B, 2015, 92, .	3.2	94
32	Anomalous Nernst Effect in an L <sub>1</sub> <sub>0</sub> -Ordered Epitaxial FePt Thin Film. Applied Physics Express, 2012, 5, 093002.	2.4	93
33	Spin Current: Experimental and Theoretical Aspects. Journal of the Physical Society of Japan, 2013, 82, 102002.	1.6	93
34	Magnon-polaron transport in magnetic insulators. Physical Review B, 2017, 95, .	3.2	92
35	Spin-Seebeck effects in films. Solid State Communications, 2010, 150, 524-528.	1.9	78
36	Interface induced inverse spin Hall effect in bismuth/permalloy bilayer. Applied Physics Letters, 2012, 101, 042403.	3.3	76

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37	Machine-learning guided discovery of a new thermoelectric material. <i>Scientific Reports</i> , 2019, 9, 2751.	3.3	74
38	Unconventional scaling and significant enhancement of the spin Seebeck effect in multilayers. <i>Physical Review B</i> , 2015, 92, .	3.2	73
39	Observation of anisotropic magneto-Peltier effect in nickel. <i>Nature</i> , 2018, 558, 95-99.	27.8	73
40	Quantitative Temperature Dependence of Longitudinal Spin Seebeck Effect at High Temperatures. <i>Physical Review X</i> , 2014, 4, .	8.9	71
41	Terahertz Spin Currents and Inverse Spin Hall Effect in Thin-Film Heterostructures Containing Complex Magnetic Compounds. <i>Spin</i> , 2017, 07, 1740010.	1.3	65
42	Flexible heat-flow sensing sheets based on the longitudinal spin Seebeck effect using one-dimensional spin-current conducting films. <i>Scientific Reports</i> , 2016, 6, 23114.	3.3	64
43	Transverse thermoelectric generation using magnetic materials. <i>Applied Physics Letters</i> , 2021, 118, .	3.3	56
44	Visualization of anomalous Ettingshausen effect in a ferromagnetic film: Direct evidence of different symmetry from spin Peltier effect. <i>Applied Physics Letters</i> , 2018, 112, .	3.3	53
45	Spin current generation from sputtered Y3Fe5O12 films. <i>Journal of Applied Physics</i> , 2014, 116, .	2.5	52
46	Sign of inverse spin Hall voltages generated by ferromagnetic resonance and temperature gradients in yttrium iron garnet platinum bilayers. <i>Journal Physics D: Applied Physics</i> , 2015, 48, 025001.	2.8	52
47	Concomitant enhancement of the longitudinal spin Seebeck effect and the thermal conductivity in a Pt/YIG/Pt system at low temperatures. <i>Physical Review B</i> , 2017, 95, .	3.2	52
48	Transport phenomena in spin caloritronics. <i>Proceedings of the Japan Academy Series B: Physical and Biological Sciences</i> , 2021, 97, 69-88.	3.8	50
49	Generation of spin currents by surface plasmon resonance. <i>Nature Communications</i> , 2015, 6, 5910.	12.8	49
50	Magneto-optical painting of heat current. <i>Nature Communications</i> , 2020, 11, 2.	12.8	49
51	Enhancement of Spin-Seebeck Voltage by Spin-Hall Thermopile. <i>Applied Physics Express</i> , 2012, 5, 093001.	2.4	47
52	Heat-induced damping modification in yttrium iron garnet/platinum hetero-structures. <i>Applied Physics Letters</i> , 2013, 102, .	3.3	46
53	Surface-acoustic-wave-driven spin pumping in Y3Fe5O12/Pt hybrid structure. <i>Applied Physics Letters</i> , 2011, 99, .	3.3	44
54	Observation of anomalous Ettingshausen effect and large transverse thermoelectric conductivity in permanent magnets. <i>Applied Physics Letters</i> , 2019, 115, .	3.3	44

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55	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
56	Thermoelectric performance of spin Seebeck effect in Fe <sub>3</sub> O <sub>4</sub> /Pt-based thin film heterostructures. <i>APL Materials</i> , 2016, 4, 104802.	5.1	42
57	Mechanism of strong enhancement of anomalous Nernst effect in Fe by Ga substitution. <i>Physical Review Materials</i> , 2019, 3, .	2.4	42
58	Unexpected structural and magnetic depth dependence of YIG thin films. <i>Physical Review B</i> , 2017, 96, .	3.2	41
59	Observation of inverse spin Hall effect in ferromagnetic FePt alloys using spin Seebeck effect. <i>Applied Physics Letters</i> , 2015, 107, .	3.3	40
60	Intrinsic surface magnetic anisotropy in $Y_3Fe_5O_{12}$ as the origin of low-magnetic-field behavior of the spin Seebeck effect. <i>Physical Review B</i> , 2015, 92, .	3.2	40
61	Evaluation of thermal gradients in longitudinal spin Seebeck effect measurements. <i>Journal of Applied Physics</i> , 2015, 117, .	2.5	38
62	Thermographic measurements of the spin Peltier effect in metal/yttrium-iron-garnet junction systems. <i>Physical Review B</i> , 2017, 96, .	3.2	38
63	Influence of interface condition on spin-Seebeck effects. <i>Journal Physics D: Applied Physics</i> , 2015, 48, 164013.	2.8	37
64	Phenomenological analysis for spin-Seebeck effect in metallic magnets. <i>Journal of Applied Physics</i> , 2009, 105, 07C908.	2.5	36
65	Observation of longitudinal spin-Seebeck effect in cobalt-ferrite epitaxial thin films. <i>AIP Advances</i> , 2015, 5, .	1.3	36
66	Enhancement of the spin Peltier effect in multilayers. <i>Physical Review B</i> , 2017, 95, .	3.2	36
67	Relationship between anomalous Ettingshausen effect and anomalous Nernst effect in an FePt thin film. <i>Journal Physics D: Applied Physics</i> , 2018, 51, 254001.	2.8	35
68	Enhancement of spin-Seebeck effect by inserting ultra-thin Fe <sub>70</sub> Cu <sub>30</sub> interlayer. <i>Applied Physics Letters</i> , 2015, 106, .	3.3	34
69	Enhancement of the anomalous Nernst effect in Ni/Pt superlattices. <i>Physical Review B</i> , 2021, 103, .	3.2	34
70	Interface-induced anomalous Nernst effect in Fe <sub>3</sub> O <sub>4</sub> /Pt-based heterostructures. <i>Applied Physics Letters</i> , 2019, 114, .	3.3	32
71	All-oxide system for spin pumping. <i>Applied Physics Letters</i> , 2012, 100, 022402.	3.3	31
72	Acoustic spin pumping: Direct generation of spin currents from sound waves in Pt/Y <sub>3</sub> Fe <sub>5</sub> O <sub>12</sub> hybrid structures. <i>Journal of Applied Physics</i> , 2012, 111, .	2.5	30

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73	Interface-dependent magnetotransport properties for thin Pt films on ferrimagnetic Y3Fe5O12. Applied Physics Letters, 2014, 104, .	3.3	29
74	Systematic Investigation of Anisotropic Magneto-“Peltier Effect and Anomalous Ettingshausen Effect in $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" overflow="scroll"} \rangle \langle \text{mml:mi} \rangle \text{Ni} \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ Thin Films. Physical Review Applied, 2019, 11, .	3.8	28
75	Dynamic Electrical Pathway Tuning in Neuromorphic Nanowire Networks. Advanced Functional Materials, 2020, 30, 2003679.	14.9	28
76	Electric detection of the spin-Seebeck effect in ferromagnetic metals (invited). Journal of Applied Physics, 2010, 107, 09A951.	2.5	26
77	All-oxide spin Seebeck effects. Applied Physics Express, 2015, 8, 083001.	2.4	26
78	Thermographic measurements of spin-current-induced temperature modulation in metallic bilayers. Physical Review B, 2018, 98, .	3.2	25
79	Spin-mediated charge-to-heat current conversion phenomena in ferromagnetic binary alloys. Physical Review Materials, 2020, 4, .	2.4	24
80	Spin Hall magnetoresistance at high temperatures. Applied Physics Letters, 2015, 106, 052405.	3.3	23
81	Spin Seebeck effect in insulating epitaxial $\text{Fe}_2\text{O}_3$ thin films. APL Materials, 2017, 5, .	5.1	23
82	High-throughput direct measurement of magnetocaloric effect based on lock-in thermography technique. Applied Physics Letters, 2017, 111, .	3.3	23
83	Large spin-Hall effect in non-equilibrium binary copper alloys beyond the solubility limit. Communications Materials, 2020, 1, .	6.9	23
84	Experimental investigation of spin Hall effect in indium tin oxide thin film. Applied Physics Letters, 2013, 103, 182404.	3.3	21
85	Magnetic-field-induced decrease of the spin Peltier effect in $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mtext} \rangle \text{Pt/Y} \langle \text{mml:mtext} \rangle \langle \text{mml:mn} \rangle 3 \langle \text{mml:mn} \rangle \langle \text{mml:math} \rangle \langle \text{mml:mathvariant="normal"} \rangle \text{O} \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 12 \langle \text{mml:mn} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ system at room temperature. Physical Review B, 2017, 96, .	3.2	21
86	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
87	Inverse Spin-Hall Effect Induced by Spin Pumping in Different Thickness Pt Films. IEEE Transactions on Magnetics, 2010, 46, 2202-2204.	2.1	20
88	Anomalous Ettingshausen effect in ferrimagnetic $\text{Co} \text{“Gd}$ . Applied Physics Express, 2019, 12, 023006.	2.4	20
89	Temperature dependence of the spin Seebeck effect in $[\text{Fe}_3\text{O}_4/\text{Pt}]_n$ multilayers. AIP Advances, 2017, 7, .	1.3	19
90	Detection of induced paramagnetic moments in Pt on $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle \text{Y} \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 3 \langle \text{mml:mn} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle \text{Fe} \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 5 \langle \text{mml:mn} \rangle \langle \text{mml:math} \rangle$ via x-ray magnetic circular dichroism. Physical Review B, 2017, 95, .	3.2	19

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91	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
92	Combinatorial investigation of spin-orbit materials using spin Peltier effect. Scientific Reports, 2018, 8, 16067.	3.3	18
93	First-principles study of the anisotropic magneto-Peltier effect. Physical Review B, 2019, 99, .	3.2	18
94	High-temperature dependence of anomalous Ettingshausen effect in SmCo <sub>5</sub> -type permanent magnets. Applied Physics Letters, 2020, 117, .	3.3	18
95	Above-room-temperature giant thermal conductivity switching in spintronic multilayers. Applied Physics Letters, 2021, 118, .	3.3	18
96	Probing length-scale separation of thermal and spin currents by nanostructuring YIG. Physical Review Materials, 2017, 1, .	2.4	18
97	Local Spin-Seebeck Effect Enabling Two-Dimensional Position Sensing. Japanese Journal of Applied Physics, 2011, 50, 120211.	1.5	18
98	Observation of the Magneto-Thomson Effect. Physical Review Letters, 2020, 125, 106601.	7.8	17
99	Theory of Transport in Ferroelectric Capacitors. Physical Review Letters, 2021, 126, 187603.	7.8	17
100	Spintronic Thermal Management. Journal of the Physical Society of Japan, 2021, 90, .	1.6	17
101	Local Spin-Seebeck Effect Enabling Two-Dimensional Position Sensing. Japanese Journal of Applied Physics, 2011, 50, 120211.	1.5	16
102	Measurement of spin current using spin relaxation modulation induced by spin injection. Journal of Applied Physics, 2009, 105, 07C913.	2.5	15
103	Inverse Spin-Hall Effect Induced by Spin Pumping in Various Metals*. IEEE Transactions on Magnetics, 2010, 46, 3694-3696.	2.1	15
104	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
105	Thermoelectric microscopy of magnetic skyrmions. Scientific Reports, 2019, 9, 18443.	3.3	14
106	Combinatorial tuning of electronic structure and thermoelectric properties in $\text{Co}_2\text{MnAl}_{1-x}\text{Si}_x$ Weyl semimetals. APL Materials, 2021, 9, .	5.1	14
107	Spin Seebeck Effect in $\text{Ni}_{81}\text{Fe}_{19}/\text{Pt}$ Thin Films With Different Widths. IEEE Transactions on Magnetics, 2009, 45, 2386-2388.	2.1	13
108	Complete Suppression of Longitudinal Spin Seebeck Effect by Frozen Magnetization Dynamics in $\text{Y}_{\text{FeO}_{12}}$ . Journal of the Physical Society of Japan, 2016, 85, 065003.	1.6	13

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109	Observation of temperature-gradient-induced magnetization. Nature Communications, 2016, 7, 12265.	12.8	13
110	Time-resolved study of field-induced suppression of longitudinal spin Seebeck effect. Applied Physics Express, 2017, 10, 073002.	2.4	13
111	Phase-transition-induced giant Thomson effect for thermoelectric cooling. Applied Physics Reviews, 2022, 9, .	11.3	13
112	Spin-Wave Spin Current in Magnetic Insulators. Solid State Physics, 2013, , 1-27.	0.5	12
113	Wavelength-selective spin-current generator using infrared plasmonic metamaterials. APL Photonics, 2017, 2, .	5.7	12
114	Interfacial ferromagnetism and atomic structures in high-temperature grown Fe <sub>3</sub> O <sub>4</sub> /Pt/Fe <sub>3</sub> O <sub>4</sub> epitaxial trilayers. Journal of Applied Physics, 2019, 126, .	2.5	12
115	Phenomenological analysis of transverse thermoelectric generation and cooling performance in magnetic/thermoelectric hybrid systems. Journal of Applied Physics, 2021, 129, .	2.5	12
116	Magnonics vs. Ferronics. Journal of Magnetism and Magnetic Materials, 2022, 541, 168468.	2.3	12
117	Inverse Spin-Hall Effect Induced by Spin Pumping in Various Metals. IEEE Transactions on Magnetics, 2010, 46, 1331-1333.	2.1	11
118	Spin Pumping in a Ferromagnetic/Nonmagnetic/Spin-Sink Trilayer Film: Spin Current Termination. Key Engineering Materials, 0, 508, 266-270.	0.4	11
119	Thermal artifact on the spin Seebeck effect in metallic thin films deposited on MgO substrates. Journal of Applied Physics, 2012, 111, .	2.5	11
120	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
121	Anomalous reversal of transverse thermoelectric voltage in $\text{Co}/\text{Pt}/\text{MgO}$ junction. Journal of Magnetism and Magnetic Materials, 2018, 447, 134-138.	2.3	11
122	Strain-induced switching of heat current direction generated by magneto-thermoelectric effects. Scientific Reports, 2019, 9, 13197.	3.3	11
123	Transient response of the spin Peltier effect revealed by lock-in thermoreflectance measurements. Physical Review B, 2020, 101, .	3.2	11
124	Perpendicularly magnetized Ni/Pt (001) epitaxial superlattice. Physical Review Materials, 2020, 4, .	2.4	11
125	Thickness dependence of anomalous Hall and Nernst effects in Ni-Fe thin films. Physical Review B, 2022, 105, .	3.2	11
126	Surface acoustic wave micromotor with arbitrary axis rotational capability. Applied Physics Letters, 2011, 99, .	3.3	10





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145	Thickness dependence of transverse thermoelectric voltage in Co <sub>40</sub> Fe <sub>60</sub> /YIG magnetic junctions. Journal of Magnetism and Magnetic Materials, 2019, 471, 439-443.	2.3	7
146	Thickness dependence of spin Peltier effect visualized by thermal imaging technique. Applied Physics Express, 2020, 13, 103001.	2.4	7
147	Anisotropy boosts transverse thermoelectrics. Nature Materials, 2022, 21, 136-137.	27.5	7
148	Annealing-temperature-dependent voltage-sign reversal in all-oxide spin Seebeck devices using RuO <sub>2</sub> . Journal Physics D: Applied Physics, 2018, 51, 154002.	2.8	6
149	Strain-induced cooling-heating switching of anisotropic magneto-Peltier effect. Applied Physics Letters, 2021, 118, .	3.3	6
150	Magneto-optical design of anomalous Nernst thermopile. Scientific Reports, 2021, 11, 11228.	3.3	6
151	Elastocaloric Kirigami Temperature Modulator. Advanced Functional Materials, 0, , 2201116.	14.9	6
152	Detection of inverse spin-Hall effect in Nb and Nb <sub>40</sub> Ti <sub>60</sub> thin films. Journal of Physics: Conference Series, 2010, 200, 062038.	0.4	5
153	Pure detection of the acoustic spin pumping in Pt/YIG/PZT structures. Solid State Communications, 2014, 198, 26-29.	1.9	5
154	Local heat emission due to unidirectional spin-wave heat conveyer effect observed by lock-in thermography. Applied Physics Letters, 2021, 118, .	3.3	5
155	Seebeck-driven transverse thermoelectric generation in on-chip devices. Journal Physics D: Applied Physics, 2022, 55, 335002.	2.8	5
156	Gamma radiation resistance of spin Seebeck devices. Applied Physics Letters, 2016, 109, .	3.3	4
157	Direct observation of magneto-Peltier effect in current-in-plane giant magnetoresistive spin valve. Applied Physics Letters, 2019, 115, 092406.	3.3	4
158	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
159	Temperature dependence of anisotropic magneto-Seebeck effect in NiPt alloys. Applied Physics Express, 2021, 14, 073001.	2.4	4
160	Thermal transport properties of Ni-Co-based superalloy. AIP Advances, 2020, 10, .	1.3	4
161	Modulation of gyromagnetic ratio in thin film due to spin pumping. Journal of Magnetism and Magnetic Materials, 2010, 322, 1425-1427.	2.3	3
162	Spin-Seebeck thermoelectric converter. , 2014, , .		3

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163	High-throughput imaging measurements of thermoelectric figure of merit. Science and Technology of Advanced Materials Methods, 2021, 1, 162-168.	1.3	3
164	Lock-in thermoreflectance as a tool for investigating spin caloritronics. Journal Physics D: Applied Physics, 2021, 54, 354001.	2.8	3
165	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
166	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
167	Improvement of Mixing Conductance and Spin-Seebeck Effect at Fe Interface Treatment. MRS Advances, 2016, 1, 3959-3964.	0.9	2
168	Spin-current-induced magnetoresistance in trilayer structure with nonmagnetic metallic interlayer. Japanese Journal of Applied Physics, 2017, 56, 040306.	1.5	2
169	Electric field effect on magnetic anisotropy for Fe-Pt-Pd alloys. AIP Advances, 2017, 7, .	1.3	2
170	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
171	Spin Hall effect in a non-equilibrium Cu76Ir24 alloy measured at various temperatures. AIP Advances, 2021, 11, 095221.	1.3	2
172	Deposition temperature dependence of thermo-spin and magneto-thermoelectric conversion in Co2MnGa films on Y3Fe5O12 and Gd3Ga5O12. Applied Physics Letters, 2022, 120, .	3.3	2
173	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
174	Suppression of Spin Pumping in the Presence of Thin Titanium Interlayer. Key Engineering Materials, 2012, 508, 347-352.	0.4	1
175	Spin Caloritronic Measurements: A Round Robin Comparison of the Longitudinal Spin Seebeck Effect. , 2018, , .		1
176	Generating Spin Current from Mid Infrared Plasmonic Metamaterial Absorbers. , 2018, , .		1
177	Microwave-power Dependence of Inverse Spin-Hall Effect Induced by Spin Pumping in Ni81Fe19/Au Thin Films. Hyomen Kagaku, 2009, 30, 688-693.	0.0	1
178	Spin Peltier effect and its length scale in Pt/YIG system at high temperatures. Applied Physics Express, 0, , .	2.4	1
179	Spin Current Physics and Its Thermoelectric Application. , 2016, , 327-341.		0
180	Spin Seebeck effect. , 2017, , .		0

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181	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
182	Process gas dependence of the spin Peltier effect in Pt/Fe <sub>3</sub> O <sub>4</sub> hybrid structures. Applied Physics Express, 2022, 15, 013004.	2.4	0
183	Interface Effects in Spin Caloritronics. Vacuum and Surface Science, 2021, 64, 562-567.	0.1	0