

List of Publications: Reviewed Journal Papers

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Laboratory of Nanoscale Electron Devices
Division of Electronics for Informatics
Graduate School of Information Science and Technology
Hokkaido University

Published

2021

1. K. Jono, F. Shimohashi, M. Yamanouchi and T. Uemura,
“Spin-orbit torque induced magnetization switching for an ultrathin MnGa/Co₂MnSi bilayer”
[AIP Advances vol. 11, 025205\(5pp\), 2021.](#)
[DOI:10.1063/5.0032732](#)

2020

1. T. Li, W. Yan, X. Zhang, B. Hu, K. Moges, T. Uemura, M. Yamamoto, M. Tsujikawa, M. Shirai, and Y. Miura,
“Off-stoichiometry effect on magnetic damping in thin films of Heusler alloy Co₂MnSi”,
[Phys. Rev. B vol. 101, 174410\(12pp\), 2020.](#)
[DOI: 10.1103/PhysRevB.101.174410](#)

2019

1. M. Yamanouchi, N. V. Bao, F. Shimohashi, K. Jono, M. Inoue, and T. Uemura
“Magnetic properties and spin-orbit-torque-induced magnetization switching in Ta/MnGa grown on Cr and NiAl buffer layers”
[AIP Advances, vol.9, 125245 \(4pp\), December 2019.](#)
[DOI: 10.1063/1.5129300](#)
2. M. Yamanouchi, N. V. Bao, M. Inoue, and T. Uemura
“Interaction between spin-orbit-torque and domain walls in a Ta/MnGa/NiAl structure”
[Jpn. J. Appl. Phys. vol.58, 100903 \(4pp\), September 2019.](#)
[DOI: 10.7567/1347-4065/ab3e79](#)
3. M. Inoue, K. Inubushi, D. Mouri, T. Tanimoto, K. Nakada, K. Kondo, M. Yamamoto, and T. Uemura
“Origin of biquadratic interlayer exchange coupling in Co₂MnSi-based current-perpendicular-to-plane pseudo spin valves”
[Appl. Phys. Lett. vol. 114, 062401 \(5pp\), February 2019.](#)
[DOI: 10.1063/1.5082605](#)
4. Z. Lin, D. Pan, M. Rasly, and T. Uemura
“Electrical spin injection into AlGaAs/GaAs-based two-dimensional electron gas systems with Co₂MnSi spin source up to room temperature”
[Appl. Phys. Lett. vol. 114, 012405 \(5pp\), January 2019.](#)

DOI: [10.1063/1.5077027](https://doi.org/10.1063/1.5077027)

2017

1. M. Rasly, Z. Lin, and T. Uemura
“Systematic investigations of transient response of nuclear spins in the presence of polarized electrons”
[Phys. Rev. B vol. 96, 184415 \(8pp\), Nov. 2017.](#)
DOI: [10.1103/PhysRevB.96.184415](https://doi.org/10.1103/PhysRevB.96.184415).
2. M. Inoue, B. Hu, K. Moges, K. Inubushi, K. Nakada, M. Yamamoto, and T. Uemura
“Influence of off-stoichiometry on magnetoresistance characteristics of Co₂MnSi/Ag-based current-perpendicular-to-plane spin valves”,
[Appl. Phys. Lett. vol. 111, 082403 \(5pp\), August 2017.](#)
DOI: [10.1063/1.5000244](https://doi.org/10.1063/1.5000244)
3. Z. Lin, M. Rasly, and T. Uemura,
“Electrical detection of nuclear spin-echo signals in an electron spin injection system”,
[Appl. Phys. Lett. Vol. 110, 232404 \(4pp\), June 2017.](#)
DOI: [10.1063/1.4985650](https://doi.org/10.1063/1.4985650)

2016

1. B. Hu, K. Moges, Y. Honda, H.-x. Liu, T. Uemura, M. Yamamoto, J. Inoue, and M. Shirai,
“Temperature dependence of spin-dependent tunneling conductance of magnetic tunnel junctions with half-metallic Co₂MnSi electrodes”,
[Phys. Rev. B, vol. 94, 094428 \(15pp\), September 2016.](#)
DOI: [10.1103/PhysRevB.94.094428](https://doi.org/10.1103/PhysRevB.94.094428)
2. T. Uemura, T. Akiho, Y. Ebina, and M. Yamamoto
“Coherent manipulation of nuclear spins using spin injection from a half-metallic spin source”
[Proc. of SPIE, vol 9931, pp.99311L-1 – 99311L-7, September 2016. \(Invited paper\)](#)
DOI: [10.1117/12.2238793](https://doi.org/10.1117/12.2238793)
3. L. Li, I. Lee, D. Lim, S. Rathi, M. Kang, T. Uemura, and G.-H. Kim,
“Spin diffusion and non-local spin-valve effect in an exfoliated multilayer graphene with a Co electrode”,
[Nanotechnology, vol. 27, 335201 \(6pp\), July 2016.](#)
DOI:[10.1088/0957-4484/27/33/335201](https://doi.org/10.1088/0957-4484/27/33/335201)
4. X. Kozina, E. Ikenaga, C. E. V. Barbosa, S. Ouardi, J. Karel, M. Yamamoto, K. Kobayashi, H. J. Elmers, G. Schönhense, and C. Felser,
“Development of hard X-ray photoelectron SPLEED-based spectrometer applicable for probing of buried magnetic layer valence states”,
[Journal of Electron Spectroscopy and Related Phenomena, vol. 21, pp. 12-18, May 2016.](#)
DOI: [10.1016/j.elspec.2016.05.001](https://doi.org/10.1016/j.elspec.2016.05.001)
5. R. Fetzer, H.-x. Liu, B. Stadtmüller, T. Uemura, M. Yamamoto, M. Aeschlimann and M. Cinchetti,
“Impact of CoFe buffer layers on the structural and electronic properties of the Co₂MnSi/MgO interface”,
[J. Phys. D: Appl. Phys. vol. 49, 195002 \(5pp\), April 2016.](#)
DOI: [10.1088/0022-3727/49/19/195002](https://doi.org/10.1088/0022-3727/49/19/195002)
6. K. Moges, Y. Honda, H.-x. Liu, T. Uemura, M. Yamamoto, Y. Miura, and M. Shirai,

“Enhanced half-metallicity of off-stoichiometric quaternary Heusler alloy $\text{Co}_2(\text{Mn,Fe})\text{Si}$ investigated through saturation magnetization and tunneling magnetoresistance”,
[Phys. Rev. B. vol. 93, 134403 \(15pp\), April 2016.](#)
DOI: [10.1103/PhysRevB.93.134403](#)

7. Z. Lin, K. Kondo, M. Yamamoto, and T. Uemura,
“Transient analysis of oblique Hanle signals observed in GaAs”,
[Jpn. J. Appl. Phys. 55, 04EN03 \(5pp\), March, 2016.](#)
DOI: [10.7567/JJAP.55.04EN03](#)
8. M. Rasly, Z. Lin, M. Yamamoto, and T. Uemura,
“Analysis of the transient response of nuclear spins in GaAs with/without nuclear magnetic resonance”,
[AIP Advances 6, 056305 \(8pp\), March, 2016.](#)
DOI: [10.1063/1.4943610](#)
9. T. Miyakawa, T. Akiho, Y. Ebina, M. Yamamoto, and T. Uemura,
“Efficient gate control of spin-valve signals and Hanle signals in GaAs channel with p-i-n junction-type back-gate structure”,
[Appl. Phys. Express 9, 023103 \(4pp\), January, 2016. \(Selected for Spotlights\)](#)
DOI: [10.7567/APEX.9.023103](#)

[Book Chapter]

1. M. Yamamoto and T. Uemura,
“Effect of Nonstoichiometry on the Half-Metallic Character of Co_2MnSi and Its Application to the Spin Sources of Spintronic Devices”,
[Heusler Alloys, C. Felser and A. Hirohata \(Eds.\), Springer International Publishing Switzerland 2016, Chap. 18, pp. 413-444, Jan. 2016.](#)
DOI: [10.1007/978-3-319-21449-8_20](#)

2015

1. T. Akiho, M. Yamamoto, and T. Uemura,
“Investigation of spin lifetime in strained $\text{In}_x\text{Ga}_{1-x}\text{As}$ channels through all-electrical spin injection and detection”,
[Appl. Phys. Express 8, 093001 \(4pp\), August, 2015](#)
DOI: [10.7567/APEX.8.093001](#)
2. V. R. Singh, V. K. Verma, K. Ishigami, G. Shibata, A. Fujimori, T. Koide, Y. Miura, M. Shirai, T. Ishikawa, G.-f. Li, and M. Yamamoto,
“Electronic and magnetic properties of off-stoichiometric $\text{Co}_2\text{Mn}_\beta\text{Si}/\text{MgO}$ interfaces studied by x-ray magnetic circular dichroism”
[J. Appl. Phys. vol. 117, 203901 \(6pp\), May 2015.](#)
DOI: [10.1063/1.4921538](#)
3. T. Uemura, T. Akiho, Y. Ebina, and M. Yamamoto,
“Coherent manipulation of nuclear spins using spin injection from a half-metallic spin source”,
[Phys. Rev. B, vol. 91, 140410\(R\) \(5pp\), April 2015.](#)
DOI: [10.1103/PhysRevB.91.140410](#)
4. R. Fetzer, S. Ouardi, Y. Honda, H.-x. Liu, S. Chadov, B. Balke, S. Ueda, M. Suzuki, T. Uemura, M. Yamamoto,

M. Aeschlimann, M. Cinchetti, G. H. Fecher, and C. Felser,
“Spin-resolved low-energy and hard X-ray photoelectron spectroscopy of off-stoichiometric Co_2MnSi Heusler thin films exhibiting a record TMR”,
[J. Phys. D: Appl. Phys.](#), vol. 48, 164002 (12pp), April 2015.
DOI:10.1088/0022-3727/48/16/164002

5. H.-x. Liu, T. Kawami, Kidist Moges, T. Uemura, M. Yamamoto, F. Shi and P. M. Voyles,
“Influence of film composition in quaternary Heusler alloy $\text{Co}_2(\text{Mn,Fe})\text{Si}$ thin films on tunnelling magnetoresistance of $\text{Co}_2(\text{Mn,Fe})\text{Si}/\text{MgO}$ -based magnetic tunnel junctions”,
[J. Phys. D: Appl. Phys.](#), vol. 48, 164001 (9pp), April 2015. (Selected for *Highlights of 2015*)
DOI:10.1088/0022-3727/48/16/164001
6. R. Fetzner, B. Stadtmüller, Y. Ohdaira, H. Naganuma, M. Oogane, Y. Ando, T. Taira, T. Uemura, M. Yamamoto, M. Aeschlimann, and M. Cinchetti,
“Probing the electronic and spintronic properties of buried interfaces by extremely low energy photoemission spectroscopy”,
[Scientific Reports](#), vol. 5, 8537 (6pp), Feb. 2015.
DOI:10.1038/srep08537
7. A. Yamamoto, Y. Ando, T. Shinjo, T. Uemura, and M. Shiraishi,
“Spin transport and spin conversion in compound semiconductor with non-negligible spin-orbit interaction”,
[Phys. Rev. B](#), vol. 91, 024417 (6pp), January 2015.
DOI: 10.1103/PhysRevB.91.024417

2014

1. T. Ishikura, L.-K. Liefeyth, Z. Cui, K. Konishi, K. Yoh, and T. Uemura,
“Electrical spin injection from ferromagnet into an InAs quantum well through a MgO tunnel barrier”
[Appl. Phys. Express](#), vol. 7, 073001 (4pp) (2014)
DOI: 10.7567/APEX.7.073001
2. Y. Ebina, T. Akiho, H.-x. Liu, M. Yamamoto, and T. Uemura
“Effect of CoFe insertion in $\text{Co}_2\text{MnSi}/\text{CoFe}/\text{n-GaAs}$ junctions on spin injection properties”,
[Appl. Phys. Lett.](#), vol. 104, 172405 (4pp) (2014)
DOI: 10.1063/1.4873720
3. X. Kozina, J. Karel, S. Ouardi, S. Chadov, G. H. Fecher, C. Felser, G. Stryganyuk, B. Balke, T. Ishikawa, T. Uemura, M. Yamamoto, E. Ikenaga, S. Ueda and K. Kobayashi,
“Probing the electronic states of high-TMR off-stoichiometric Co_2MnSi thin films by hard x-ray photoelectron spectroscopy”,
[Phys. Rev. B](#), vol. 89, 125116 (10pp) (2014)
DOI: 10.1103/PhysRevB.89.125116
4. G.-f. Li, Y. Honda, H.-x. Liu, K.-i. Matsuda, M. Arita, T. Uemura, M. Yamamoto, Y. Miura, M. Shirai, T. Saito, F. Shi and P. M. Voyles,
“Effect of nonstoichiometry on the half-metallic character of Co_2MnSi investigated through saturation magnetization and tunneling magnetoresistance ratio”,
[Phys. Rev. B](#), vol. 89, 014428 (14pp) (2014)
DOI: 10.1103/PhysRevB.89.014428

[Review Paper]

1. T. Uemura,
“Highly-efficient electrical spin injection into semiconductors using a half-metal spin source” (in Japanese),
[OYO BUTURI, The Japan Society of Applied Physics, vol. 83, no. 3, pp. 194-199, March 2014.](#)

2013

1. T. Akiho, J. Shan, H.-x. Liu, K.-i. Matsuda, M. Yamamoto, and T. Uemura,
“Electrical injection of spin-polarized electrons and electrical detection of dynamic nuclear polarization using a Heusler alloy spin source”,
[Phys. Rev. B, vol. 87, 235205 \(7pp\) \(2013\)](#)
DOI: 10.1103/PhysRevB.87.235205
2. R. Fetzner, J.-P. Wüstenberg, T. Taira, T. Uemura, M. Yamamoto, M. Aeschlimann, and M. Cinchetti,
“Structural, chemical, and electronic properties of the $\text{Co}_2\text{MnSi}(001)/\text{MgO}$ interface”,
[Phys. Rev. B, vol. 87, 184418 \(7pp\) \(2013\)](#)
DOI: 10.1103/PhysRevB.87.184418
3. Siham Ouardi, G. H. Fecher, S. Chadov, B. Balke, X. Kozina, C. Felser, T. Taira, and M. Yamamoto,
“Hard X-ray photoelectron spectroscopy on buried, off-stoichiometric $\text{Co}_x\text{Mn}_y\text{Ge}_z$ ($x : z = 2 : 0.38$) Heusler thin films”, Invited Paper
[Applied Physics A: Materials Science & Processing, vol. 111, pp. 395–405 \(2013\)](#)
DOI: 10.1007/s00339-013-7565-y

[Review Paper]

1. M. Yamamoto,
“Spintronic device applications of half-metallic Heusler alloys” (in Japanese),
[Kogyo Zairyo \(Engineering Materials\), Nikkan Kogyo Simbun, LTD., vol. 60, no. 8, pp. 55-58, August 2013.](#)

2012

1. V. R. Singh, V. K. Verma, K. Ishigami, G. Shibata, T. Kadono, A. Fujimori, D. Asakura, T. Koide, Y. Miura, M. Shirai, G.-f. Li, T. Taira, and M. Yamamoto,
“Effects of off-stoichiometry on the spin polarization at the $\text{Co}_2\text{Mn}_y\text{Ge}_{0.38}/\text{MgO}$ interfaces: X-ray magnetic circular dichroism study”,
[Phys. Rev. B, vol. 86, 144412 \(6pp\), October 2012](#)
2. H.-x. Liu, Y. Honda, T. Taira, K.-i. Matsuda, M. Arita, T. Uemura, and M. Yamamoto,
“Giant tunneling magnetoresistance in epitaxial $\text{Co}_2\text{MnSi}/\text{MgO}/\text{Co}_2\text{MnSi}$ magnetic tunnel junctions by half-metallicity of Co_2MnSi and coherent tunneling”,
[Appl. Phys. Lett., vol. 101, 132418 \(5pp\), September 2012.](#)
3. T. Uemura, K. Kondo, J. Fujisawa, K.-i. Matsuda, and M. Yamamoto,
“Critical effect of spin-dependent transport in a tunnel barrier on enhanced Hanle-type signals observed in three-terminal geometry”,
[Appl. Phys. Lett., vol. 101, 132411 \(4pp\), September 2012.](#)
4. H.-x. Liu, Y. Honda, K.-i. Matsuda, M. Arita, T. Uemura, and M. Yamamoto,
“Highly spin-polarized tunneling in epitaxial magnetic tunnel junctions with a Co_2MnSi electrode and a MgO barrier with improved interfacial structural properties”,
[Jpn. J. Appl. Phys., vol. 51, 093004 \(9pp\), September 2012.](#)

5. G.-f. Li, T. Taira, H.-x. Liu, K.-i. Matsuda, T. Uemura, and M. Yamamoto,
“Fabrication of fully epitaxial CoFe/MgO/CoFe magnetic tunnel junctions on Ge(001) substrates via a MgO interlayer”,
[Jpn. J. Appl. Phys., vol. 51, 093003 \(5pp\), September 2012.](#)
6. A. Gloskovskii, G. Stryganyuk, G. H. Fecher, C. Felser, S.Thiess, H. Schulz-Ritter, W. Drube, G. Berner, M. Sing, R. Claessen, and M. Yamamoto,
“Magnetometry of buried layers - linear magnetic dichroism and spin detection in angular resolved hard X-ray photoelectron spectroscopy”,
[Journal of Electron Spectroscopy and Related Phenomena, vol. 185, issue 1-2, pp. 47-52, March 2012.](#)
7. T. Akiho, T. Uemura, M. Harada, K.-i. Matsuda, and M. Yamamoto,
“Effect of MgO Barrier Insertion on Spin-Dependent Transport Properties of CoFe/n-GaAs Heterojunctions”,
[Jpn. J. Appl. Phys. vol. 51, 02BM01 \(5pp\), February 2012.](#)
8. J.-P. Wüstenberg, R. Fetzner, M. Aeschlimann, M. Cinchetti, J. Minár, Jürgen Braun, H. Ebert, T. Ishikawa, T. Uemura, and M. Yamamoto,
“Surface spin polarization of the nonstoichiometric Heusler alloy Co₂MnSi”,
[Phys. Rev. B, vol. 85, 064407 \(10pp\), February 2012.](#)

2011

1. T. Uemura, T. Akiho, M. Harada, K.-i. Matsuda, and M. Yamamoto,
“Non-local detection of spin-polarized electrons at room temperature in Co₅₀Fe₅₀/GaAs Schottky tunnel junctions”,
[Appl. Phys. Lett., vol. 99, 082108 \(3pp\), Aug. 2011.](#)
2. X. Kozina, G. H. Fecher, G. Stryganyuk, S. Ouardi, B. Balke, and C. Felser, G. Schönhense, E. Ikenaga, T. Sugiyama, N. Kawamura, M. Suzuki, T. Taira, T. Uemura, M. Yamamoto, H. Sukegawa, W. H. Wang, K. Inomata, and K. Kobayashi,
“Magnetic dichroism in angle-resolved hard x-ray photoemission from buried layers”,
[Phys. Rev. B, vol. 84, 054449 \(8pp\), Aug. 2011.](#)
3. G.-f. Li, T. Taira, K.-i. Matsuda, M. Arita, T. Uemura, and M. Yamamoto,
“Epitaxial growth of Heusler alloy Co₂MnSi/MgO heterostructures on Ge(001) substrates”,
[Appl. Phys. Lett., vol. 98, 262505 \(3pp\), June 2011.](#)
4. T. Akiho, T. Uemura, M. Harada, K.-i. Matsuda, and M. Yamamoto,
“Suppression of in-plane tunneling anisotropic magnetoresistance effect in Co₂MnSi/MgO/n-GaAs and CoFe/MgO/n-GaAs junctions by inserting a MgO barrier”,
[Appl. Phys. Lett., vol. 98, 232109 \(3pp\), June 2011.](#)
5. T. Uemura, M. Harada, T. Akiho, K.-i. Matsuda, and M. Yamamoto,
“Influence of GaAs surface structure on tunneling anisotropic magnetoresistance and magnetocrystalline anisotropy in epitaxial Co₅₀Fe₅₀/n-GaAs junctions”,
[Appl. Phys. Lett., vol. 98, 102503 \(3pp\), March 2011.](#)

2010

1. S. Imai, K.-i. Matsuda, T. Ishikawa, T. Uemura, and M. Yamamoto, “Fabrication and the Transport Properties of

NbN/Co₂Cr_{0.6}Fe_{0.4}Al/NbN Lateral Junctions”,
[Physica C, vol. 470, S851-S853, Dec. 2010.](#)

2. D. Asakura, T. Koide, S. Yamamoto, K. Tsuchiya, T. Shioya, K. Amemiya, V. R. Singh, T. Kataoka, Y. Yamazaki, Y. Sakamoto, A. Fujimori, T. Taira, and M. Yamamoto,
“Magnetic states of Mn and Co atoms at Co₂MnGe/MgO interfaces seen via soft x-ray magnetic circular dichroism”,
[Phys. Rev. B, vol. 82, 184419 \(8pp\), Nov. 2010.](#)
3. T. Uemura, M. Harada, K.-i. Matsuda, and M. Yamamoto,
“Internal electric field influence on tunneling anisotropic magnetoresistance in epitaxial ferromagnet/n-GaAs junctions”,
[Appl. Phys. Lett., vol. 96, 252106 \(3pp\), June 2010.](#)
4. T. Marukame, T. Ishikawa, T. Taira, K.-i. Matsuda, T. Uemura, and M. Yamamoto,
“Giant Oscillations in Spin-Dependent Tunneling Resistances as a Function of Barrier Thickness in Fully Epitaxial Magnetic Tunnel Junctions with a MgO Barrier”,
[Phys. Rev. B, vol. 81, 134432 \(5pp\), April 2010.](#)
5. T. Saito, T. Katayama, T. Ishikawa, M. Yamamoto, D. Asakura, T. Koide, M. Miura, and M. Shirai,
“Interface Structure of Half-Metallic Heusler Alloy Co₂MnSi Thin Films Facing an MgO Tunnel Barrier Determined by X-ray Magnetic Circular Dichroism”,
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6. M. Yamamoto, T. Ishikawa, T. Taira, G.-f. Li, K.-i. Matsuda, and T. Uemura,
“Effect of defects in Heusler alloy thin films on spin-dependent tunnelling characteristics of Co₂MnSi/MgO/Co₂MnSi and Co₂MnGe/MgO/Co₂MnGe magnetic tunnel junctions”,
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7. S. Trudel, J. Hamrle, B. Hillebrands, T. Taira, and M. Yamamoto,
“Magneto-optical investigation of epitaxial nonstoichiometric Co₂MnGe thin films”,
[J. Appl. Phys., vol. 107, 043912 \(7pp\), March 2010.](#)
8. T. M. Nakatani, Y. K. Takahashi, T. Ishikawa, M. Yamamoto, and K. Hono,
“Structural characterizations of Co₂MnSi/MgO/Co₂MnSi magnetic tunnel junctions by transmission electron microscopy,”
[J. Magn. Magn. Mater., vol. 322, Issue 3, pp. 357-361, Feb. 2010 \(online publication Sept. 2009\).](#)

[Review Paper]

1. T. Uemura and M. Yamamoto,
“Creation and control of spin current using Co-based Heusler alloy” (in Japanese),
[Materia Japan, vol. 49, pp. 566-569, Dec. 2010.](#)

2009

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“Influence of film composition in Co₂MnSi electrodes on tunnel magnetoresistance characteristics of Co₂MnSi/MgO/Co₂MnSi magnetic tunnel junction,”
[Appl. Phys. Lett., vol. 95, 232512 \(3pp\), Dec. 2009.](#)

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“Tunneling Magnetoresistance Simulation Used to Detect Domain-wall Structures and Their Motion in a Ferromagnetic Wire”,
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“Double magnetic tunnel junctions with cross-magnetization configurations for electrical detection of domain-wall structures”,
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4. T. Uemura, Y. Imai, M. Harada, K.-i. Matsuda, and M. Yamamoto,
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“Transport properties of Nb/PdNi bilayers and Nb/PdNi/Nb Josephson junctions”,
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6. T. Taira, T. Ishikawa, N. Itabashi, K.-i. Matsuda, T. Uemura, and M. Yamamoto,
“Spin-dependent tunnelling characteristics of fully epitaxial magnetic tunnel junctions with a Heusler alloy Co₂MnGe thin film and a MgO barrier”,
[J. Phys. D: Applied Phys.](#), vol. 42, 084015 (9 pp), March 2009.
7. S. Ouardi, B. Balke, A. Gloskovskii, G. H Fecher, C. Felser, G. Schoenhense, T. Ishikawa, T. Uemura, M. Yamamoto, H. Sukegawa, W.-H. Wang, K. Inomata, Y. Yamashita, H. Yoshikawa, S. Ueda and K. Kobayashi,
“Hard X-ray photoelectron spectroscopy of buried Heusler compounds”,
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[J. Appl. Phys.](#), vol. 105, 07B110 (6pp), March 2009.
9. T. Ishikawa, N. Itabashi, T. Taira, K.-i. Matsuda, T. Uemura, and M. Yamamoto,
“Critical role of interface states for spin-dependent tunneling in half-metallic Co₂MnSi-based magnetic tunnel junctions investigated by tunneling spectroscopy”,
[Appl. Phys. Lett.](#), vol. 94, 092503 (3pp), March 2009.
10. T. Taira, T. Ishikawa, N. Itabashi, K.-i. Matsuda, T. Uemura, and M. Yamamoto,
“Influence of annealing on spin-dependent tunneling characteristics of fully epitaxial Co₂MnGe/MgO/Co₅₀Fe₅₀ magnetic tunnel junctions”,
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2008

1. T. Uemura and M. Yamamoto,
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