

# Frederic Petroff

## List of Publications by Year in descending order

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183  
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183  
docs citations

183  
times ranked

11516  
citing authors

#	ARTICLE	IF	CITATIONS
1	A ferromagnetic spin source grown by atomic layer deposition. Applied Physics Letters, 2022, 120, .	3.3	3
2	Spin filtering by proximity effects at hybridized interfaces in spin-valves with 2D graphene barriers. Nature Communications, 2020, 11, 5670.	12.8	37
3	Very Long Term Stabilization of a 2D Magnet down to the Monolayer for Device Integration. ACS Applied Electronic Materials, 2020, 2, 3508-3514.	4.3	11
4	Atomic layer deposition of a MgO barrier for a passivated black phosphorus spintronics platform. Applied Physics Letters, 2019, 114, .	3.3	13
5	Band-Structure Spin-Filtering in Vertical Spin Valves Based on Chemical Vapor Deposited WS <sub>2</sub> . ACS Nano, 2019, 13, 14468-14476.	14.6	44
6	Insulator-to-Metallic Spin-Filtering in 2D-Magnetic Tunnel Junctions Based on Hexagonal Boron Nitride. ACS Nano, 2018, 12, 4712-4718.	14.6	88
7	Spin-Dependent Hybridization Phenomena in Organic and Molecular Spintronics Devices. Materials and Energy, 2018, , 63-92.	0.1	3
8	Molecular spintronics: the role of spin-dependent hybridization. Journal Physics D: Applied Physics, 2018, 51, 473001.	2.8	43
9	2D-MTJs: introducing 2D materials in magnetic tunnel junctions. Journal Physics D: Applied Physics, 2017, 50, 203002.	2.8	68
10	Magnetic Proximity Effect Free Spin Hall Magnetoresistance in YIG/Pd. Spin, 2017, 07, 1740005.	1.3	4
11	Stabilizing ultra-thin black phosphorus with <i>in-situ</i> -grown 1-nm-Al <sub>2</sub> O <sub>3</sub> barrier. Applied Physics Letters, 2017, 111, .	3.3	35
12	Investigating magnetic proximity effects at ferrite/Pt interfaces. Applied Physics Letters, 2017, 111, .	3.3	28
13	Spintronics with Small Molecules. , 2016, , .		0
14	Magnetic tunnel junctions with monolayer hexagonal boron nitride tunnel barriers. Applied Physics Letters, 2016, 108, .	3.3	118
15	Simple and advanced ferromagnet/molecule spinterfaces. , 2016, , .		0
16	Phthalocyanine based molecular spintronic devices. Dalton Transactions, 2016, 45, 16694-16699.	3.3	36
17	Perpendicular magnetic anisotropy in granular multilayers of CoPd alloyed nanoparticles. Physical Review B, 2016, 93, .	3.2	13
18	Structural and magnetic properties of granular CoPd multilayers. Journal of Magnetism and Magnetic Materials, 2016, 400, 248-252.	2.3	8

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19	Self-assembled monolayers based spintronics: from ferromagnetic surface functionalization to spin-dependent transport. <i>Journal of Physics Condensed Matter</i> , 2016, 28, 094010.	1.8	4
20	Unidirectional Spin-Dependent Molecule-Ferromagnet Hybridized States Anisotropy in Cobalt Phthalocyanine Based Magnetic Tunnel Junctions. <i>Physical Review Letters</i> , 2015, 114, 206603.	7.8	53
21	Recovering ferromagnetic metal surfaces to fully exploit chemistry in molecular spintronics. <i>AIP Advances</i> , 2015, 5, .	1.3	9
22	Influence of alkylphosphonic acid grafting on the electronic and magnetic properties of La <sub>2</sub> /3Sr <sub>1</sub> /3MnO <sub>3</sub> surfaces. <i>Applied Surface Science</i> , 2015, 353, 24-28.	6.1	10
23	Is spin transport through molecules really occurring in organic spin valves? A combined magnetoresistance and inelastic electron tunnelling spectroscopy study. <i>Applied Physics Letters</i> , 2015, 106, 082408.	3.3	10
24	Protecting nickel with graphene spin-filtering membranes: A single layer is enough. <i>Applied Physics Letters</i> , 2015, 107, .	3.3	65
25	Structural and magnetic properties of granular Co-Pt multilayers with perpendicular magnetic anisotropy. <i>Physical Review B</i> , 2014, 90, .	3.2	23
26	Spinterface: Crafting spintronics at the molecular scale. <i>MRS Bulletin</i> , 2014, 39, 602-607.	3.5	74
27	Suppression of the critical thickness threshold for conductivity at the LaAlO <sub>3</sub> /SrTiO <sub>3</sub> interface. <i>Nature Communications</i> , 2014, 5, 4291.	12.8	57
28	Sub-nanometer Atomic Layer Deposition for Spintronics in Magnetic Tunnel Junctions Based on Graphene Spin-Filtering Membranes. <i>ACS Nano</i> , 2014, 8, 7890-7895.	14.6	109
29	Homogeneous pinhole free 1â€%nm Al <sub>2</sub> O <sub>3</sub> tunnel barriers on graphene. <i>Applied Physics Letters</i> , 2012, 101, .	3.3	25
30	Breakdown of Hund's third rule in amorphous Co-W nanoparticles and crystalline Co <sub>3</sub> W alloys. <i>Physical Review B</i> , 2012, 86, .	3.2	8
31	Unveiling Self-Assembled Monolayers' Potential for Molecular Spintronics: Spin Transport at High Voltage. <i>Advanced Materials</i> , 2012, 24, 6429-6432.	21.0	37
32	Self-Assembled Monolayer-Functionalized Half-Metallic Manganite for Molecular Spintronics. <i>ACS Nano</i> , 2012, 6, 8753-8757.	14.6	32
33	Perpendicular magnetic anisotropy in Coâ€%Pt granular multilayers. <i>Low Temperature Physics</i> , 2012, 38, 835-838.	0.6	4
34	Nanomagnetism of cobalt ferrite-based spin filters probed by spin-polarized tunneling. <i>Applied Physics Letters</i> , 2012, 101, 042409.	3.3	39
35	Highly efficient spin transport in epitaxial graphene on SiC. <i>Nature Physics</i> , 2012, 8, 557-561.	16.7	392
36	Negative rotatable anisotropy in IrMn/Cr/Co thin films. <i>Physical Review B</i> , 2012, 85, .	3.2	21

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37	growth and ferrimagnetic behavior of $MnFe_2O_4$ nanoparticles. Journal of Applied Physics, 2011, 110, .	3.2	44
38	Role of the uncompensated interface spins in polycrystalline exchange-biased systems. Journal Physics D: Applied Physics, 2011, 44, 095002.	2.8	12
39	Abrupt suppression of the exchange bias across a non-magnetic insulator spacer. Journal of Applied Physics, 2011, 110, .	2.5	13
40	Structural and magnetic properties of amorphous Co-W alloyed nanoparticles. Physical Review B, 2011, 84, .	3.2	7
41	Anisotropic magneto-Coulomb effect versus spin accumulation in a ferromagnetic single-electron device. Physical Review B, 2011, 84, .	3.2	6
42	Restoration of bulk magnetic properties by strain engineering in epitaxial $CoFe_2O_4$ (001) ultrathin films. Applied Physics Letters, 2011, 99, .	3.3	35
43	Unravelling the role of the interface for spin injection into organic semiconductors. Nature Physics, 2010, 6, 615-620.	16.7	559
44	Magnetoresistance in magnetic tunnel junctions grown on flexible organic substrates. Applied Physics Letters, 2010, 96, .	3.3	109
45	Depth analysis of boron diffusion in MgO/CoFeB bilayer by x-ray photoelectron spectroscopy. Journal of Applied Physics, 2010, 108, .	2.5	26
46	Zero-temperature spin-glass freezing in self-organized arrays of Co nanoparticles. Europhysics Letters, 2010, 89, 67011.	2.0	11
47	A versatile nanotechnology to connect individual nano-objects for the fabrication of hybrid single-electron devices. Nanotechnology, 2010, 21, 445201.	2.6	5
48	Morphology and magnetic properties of W-capped Co nanoparticles. Journal of Applied Physics, 2010, 107, 09B508.	2.5	2
49	Are $Al_2O_3$ and MgO tunnel barriers suitable for spin injection in graphene?. Applied Physics Letters, 2010, 97, .	3.3	82
50	Current-induced resonant depinning of a transverse magnetic domain wall in a spin valve nanostrip. Applied Physics Letters, 2010, 97, .	3.3	7
51	From ensemble average to single (nano-) objects properties by X-ray microdiffraction: a short review on structure determination (local strain, composition, ...) and objects manipulation (AFM-coupled). Revue De Metallurgie, 2010, 107, 433-439.	0.3	0
52	Engineering double-shifted hysteresis loops in Co/IrMn/Cu/Co films. Applied Physics Letters, 2009, 95, 112501.	3.3	8
53	Structural and magnetic properties of Co-doped $(La,Sr)TiO_3$ epitaxial thin films probed using x-ray magnetic circular dichroism. Journal of Physics Condensed Matter, 2009, 21, 406001.	1.8	3
54	Anisotropic magneto-Coulomb effects and magnetic single-electron-transistor action in a single nanoparticle. Nature Physics, 2009, 5, 920-924.	16.7	69

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55	Crystalline structure of oxide-based epitaxial tunnel junctions. European Physical Journal: Special Topics, 2009, 167, 53-58.	2.6	4
56	Spin-Polarized Inelastic Tunneling through Insulating Barriers. Physical Review Letters, 2009, 102, 176801.	7.8	50
57	The 2007 Nobel Prize in Physics: Albert Fert and Peter GrÅ¼nberg. , 2009, , 147-157.		6
58	Evidence for Room-Temperature Multiferroicity in a Compound with a Giant Axial Ratio. Physical Review Letters, 2009, 102, 217603.	7.8	331
59	Magnetic polarization of noble metals by Co nanoparticles in $M$ -capped granular multilayers ( $T_j$ ETQq1 1 0.784314,rgBT /Overlock 10	3.2	56
60	Microwave excitations associated with a wavy angular dependence of the spin transfer torque: Model and experiments. Physical Review B, 2008, 77, .	3.2	17
61	Anisotropy Enhancement in Co Granular Multilayers by Capping. Materials Science Forum, 2008, 570, 1-9.	0.3	2
62	Effects of thermal annealing on C/FePt granular multilayers: <i>in situ</i> and <i>ex situ</i> studies. Journal of Physics Condensed Matter, 2008, 20, 035218.	1.8	20
63	Magnetism of (Zn,Co)O thin films probed by x-ray absorption spectroscopies. Applied Physics Letters, 2008, 92, 012509.	3.3	60
64	A magnetometry study of Co oxidation in Co/MgO bilayers grown by sputtering. Journal of Applied Physics, 2008, 104, .	2.5	5
65	Layer-resolved imaging of domain wall interactions in magnetic tunnel junction-like trilayers. Journal of Physics Condensed Matter, 2007, 19, 476204.	1.8	10
66	Effects of a thin Mg layer on the structural and magnetoresistance properties of CoFeB/MgO/CoFeB magnetic tunnel junctions. Applied Physics Letters, 2007, 91, 222504.	3.3	47
67	Effect of optical lithography patterning on the crystalline structure of tunnel junctions. Applied Physics Letters, 2007, 91, 241917.	3.3	8
68	Room temperature spin filtering in epitaxial cobalt-ferrite tunnel barriers. Applied Physics Letters, 2007, 91, .	3.3	184
69	Exchange bias through a Cu interlayer in an IrMn/Co system. Physical Review B, 2007, 75, .	3.2	44
70	Nanospintronics: when spintronics meets single electron physics. Journal of Physics Condensed Matter, 2007, 19, 165222.	1.8	88
71	Shaped angular dependence of the spin-transfer torque and microwave generation without magnetic field. Nature Physics, 2007, 3, 492-497.	16.7	147
72	Magnetic polarization of copper in Cu-capped Co clusters. Journal of Magnetism and Magnetic Materials, 2007, 316, e23-e26.	2.3	7

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73	Copper spacer thickness dependence of the exchange bias in IrMn/Cu/Co ultrathin films. Journal of Magnetism and Magnetic Materials, 2007, 316, e97-e100.	2.3	17
74	Magnetic properties of Co nanoparticle granular films capped with Pt. Journal of Magnetism and Magnetic Materials, 2007, 316, e9-e12.	2.3	19
75	On the spin polarization at the interface probed by spin-resolved photoemission and spin-dependent tunneling. Journal of Magnetism and Magnetic Materials, 2007, 316, e963-e965.	2.3	16
76	Influence of topography and Co domain walls on the magnetization reversal of the FeNi layer in FeNi/Al <sub>2</sub> O <sub>3</sub> /Co magnetic tunnel junctions. Physical Review B, 2006, 74, .	3.2	8
77	Chapter 6 Spin transport in magnetic multilayers and tunnel junctions. Contemporary Concepts of Condensed Matter Science, 2006, , 153-225.	0.5	8
78	Evidence for spin injection in a single metallic nanoparticle: A step towards nanospintronics. Applied Physics Letters, 2006, 89, 062502.	3.3	92
79	Current-driven differential resistance phase diagram in nanopillars of NiFe/Cu/NiFe. Physica B: Condensed Matter, 2006, 384, 33-35.	2.7	2
80	Angular dependence of the exchange bias and coercivity of IrMn/Co bilayers. Physica B: Condensed Matter, 2006, 384, 141-143.	2.7	6
81	Tuning the magnetic anisotropy of Co nanoparticles by metal capping. Europhysics Letters, 2006, 76, 142-148.	2.0	74
82	Absence of induced moment in magnetic tunnel junction barriers. Physical Review B, 2006, 73, .	3.2	14
83	Enhancement of the magnetic anisotropy of Co clusters by Au capping. Journal of Applied Physics, 2006, 99, 08G705.	2.5	20
84	Negative spin polarization of the Fe <sub>3</sub> O <sub>4</sub> /Al <sub>2</sub> O <sub>3</sub> interface measured by spin-resolved photoemission. Physical Review B, 2006, 73, .	3.2	14
85	MAGNETIC DYNAMICS OF CO NANOSPHERES: ORIGIN OF THE ENHANCED ANISOTROPY. , 2006, , 1-25.		1
86	Development of a magnetic tunnel transistor based on a double tunnel junction. Journal of Magnetism and Magnetic Materials, 2005, 290-291, 1097-1099.	2.3	7
87	Spin Transfer Torque: a new method to excite or reverse a magnetization. Comptes Rendus Physique, 2005, 6, 956-965.	0.9	11
88	Interplay between magnetic anisotropy and interlayer coupling in nanosecond magnetization reversal of spin-valve trilayers. Physical Review B, 2005, 71, .	3.2	8
89	Crystalline Al <sub>2</sub> O <sub>3</sub> barrier for magnetite-based magnetic tunnel junctions. Applied Physics Letters, 2005, 86, 012509.	3.3	27
90	Influence of domain wall interactions on nanosecond switching in magnetic tunnel junctions. Physical Review B, 2005, 72, .	3.2	22

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91	Magnetic relaxation of Co nanoclusters in a bias magnetic field. Journal of Physics Condensed Matter, 2004, 16, 5109-5117.	1.8	11
92	On the use of exchange biased top electrodes in magnetic tunnel junctions. Journal of Magnetism and Magnetic Materials, 2004, 270, 403-406.	2.3	10
93	Resonant diffuse X-ray scattering from magnetic multilayers. Physica B: Condensed Matter, 2004, 345, 153-156.	2.7	5
94	XMCD study of the anisotropy of nanometric Co clusters in insulating and metallic matrices. Journal of Magnetism and Magnetic Materials, 2004, 272-276, E1275-E1276.	2.3	5
95	Time and layer resolved magnetic domain imaging of FeNi/Cu/Co trilayers using x-ray photoelectron emission microscopy (invited). Journal of Applied Physics, 2004, 95, 6533-6536.	2.5	18
96	Switching-mode-dependent magnetic interlayer coupling strength in spin valves and magnetic tunnel junctions. Physical Review B, 2004, 69, .	3.2	33
97	Structural study of the Al/Ni interface in ultrathin polycrystalline multilayers. Journal of Applied Physics, 2003, 93, 5937-5944.	2.5	11
98	Luis et al. Reply. Physical Review Letters, 2003, 90, .	7.8	5
99	Nanostructure and magnetic properties of BN-encapsulated Fe(B) and Fe <sub>2</sub> N nanoparticles prepared by dual ion-beam sputtering. Applied Physics Letters, 2003, 82, 3056-3058.	3.3	16
100	Competitive effects of dipolar interactions and a bias magnetic field on the magnetic relaxation times of Co clusters. Journal of Applied Physics, 2003, 93, 7032-7034.	2.5	8
101	Magnetism of the Fe/ZnSe(001) Interface. Physical Review Letters, 2002, 88, 217202.	7.8	46
102	Antiferromagnetic hysteresis in magnetoresistive multilayers investigated by x-ray resonant scattering. Applied Physics Letters, 2002, 81, 3425-3427.	3.3	11
103	Magnetic Relaxation of Interacting Co Clusters: Crossover from Two- to Three-Dimensional Lattices. Physical Review Letters, 2002, 88, 217205.	7.8	111
104	Enhancement of the magnetic anisotropy of nanometer-sized Co clusters: Influence of the surface and of interparticle interactions. Physical Review B, 2002, 65, .	3.2	168
105	Field sensing using the magnetoresistance of IrMn exchange-biased tunnel junctions. Journal of Applied Physics, 2002, 91, 4655-4658.	2.5	55
106	Experimental evidence of the ferrimagnetic ground state of Sr <sub>2</sub> FeMoO <sub>6</sub> probed by X-ray magnetic circular dichroism. Europhysics Letters, 2002, 60, 608-614.	2.0	77
107	Hot-electron transport in 3-terminal devices based on magnetic tunnel junctions. Europhysics Letters, 2002, 60, 896-902.	2.0	6
108	Temperature and voltage dependence of the resistance and magnetoresistance in discontinuous double tunnel junctions. Physical Review B, 2002, 65, .	3.2	26

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109	Growth of Au clusters on amorphous Al <sub>2</sub> O <sub>3</sub> : are small clusters more mobile than atoms?. Surface Science, 2002, 504, 75-82.	1.9	41
110	Magnetic characterization of granular Co/Al <sub>2</sub> O <sub>3</sub> multilayers. Journal of Magnetism and Magnetic Materials, 2002, 242-245, 575-577.	2.3	11
111	Magnetoresistance and spin electronics. Journal of Magnetism and Magnetic Materials, 2002, 242-245, 68-76.	2.3	74
112	Element-Selective Nanosecond Magnetization Dynamics in Magnetic Heterostructures. Physical Review Letters, 2001, 86, 3646-3649.	7.8	76
113	Large magnetoresistance in Fe/MgO/FeCo(001) epitaxial tunnel junctions on GaAs(001). Applied Physics Letters, 2001, 79, 1655-1657.	3.3	229
114	Review of recent results on spin polarized tunneling and magnetic switching by spin injection. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2001, 84, 1-9.	3.5	34
115	Reduced magnetic moment per atom in small Ni and Co clusters embedded in AlN. Journal of Applied Physics, 2001, 90, 6367-6373.	2.5	20
116	Structural and magnetic properties of Co/AlN multilayers. Journal of Applied Physics, 2001, 89, 6329-6335.	2.5	14
117	Angular dependence of the tunnel magnetoresistance in transition-metal-based junctions. Physical Review B, 2001, 64, .	3.2	58
118	Growth of Au Clusters on Amorphous Al <sub>2</sub> O <sub>3</sub> : Evidence of Cluster Mobility above a Critical Size. Physical Review Letters, 2001, 86, 4600-4603.	7.8	49
119	Study of the magnetic order in a Co/Cr multilayer by magnetic Bragg diffraction at the Co 2p resonance. Journal of Magnetism and Magnetic Materials, 2000, 218, 137-143.	2.3	7
120	Evidence for a high-spin Fe phase in Fe/Pd(001) multilayers. Europhysics Letters, 2000, 49, 807-813.	2.0	15
121	Structural and magnetic properties of Fe <sub>x</sub> Co <sub>1-x</sub> nanocomposite thin films. Journal of Applied Physics, 2000, 87, 3432-3443.	2.5	78
122	Evidence for a self-organized growth in granular Co/Al <sub>2</sub> O <sub>3</sub> multilayers. Applied Physics Letters, 2000, 76, 2892-2894.	3.3	76
123	Magnetoresistive tunnel junctions deposited on laterally modulated substrates. Applied Physics Letters, 2000, 76, 3286-3288.	3.3	11
124	Clusters obtained by sputter deposition of cobalt atoms on alumina. Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties, 1999, 79, 2921-2934.	0.6	36
125	Clusters obtained by sputter deposition of cobalt atoms on alumina. Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties, 1999, 79, 2921-2934.	0.6	5
126	Structure of cobalt cluster films obtained by sputter deposition on alumina. European Physical Journal D, 1999, 9, 517-521.	1.3	22



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127	Effect of deposition parameters on the CPP-GMR of NiMnSb-based spin-valve structures. Journal of Magnetism and Magnetic Materials, 1999, 198-199, 55-57.	2.3	42
128	Tunnel magnetoimpedance in cobalt discontinuous films. Journal of Magnetism and Magnetic Materials, 1999, 205, 170-176.	2.3	11
129	Chapter 1 Giant magnetoresistance in magnetic multilayers. Handbook of Magnetic Materials, 1999, 12, 1-96.	0.6	27
130	Large magnetoresistance in tunnel junctions with an iron oxide electrode. Applied Physics Letters, 1999, 74, 4017-4019.	3.3	189
131	Structure of cobalt cluster films obtained by sputter deposition on alumina. , 1999, , 517-521.		2
132	Magnetic and magneto-optical properties of NiMnSb thin films. Journal of Magnetism and Magnetic Materials, 1998, 177-181, 1229-1230.	2.3	11
133	Morphological study of cobalt aggregates in magnetic multilayers by grazing-incidence small-angle X-ray scattering. Thin Solid Films, 1998, 319, 81-83.	1.8	30
134	TEM observations of nanometer thick cobalt deposits in alumina sandwiches. Thin Solid Films, 1998, 319, 120-123.	1.8	13
135	Enhanced tunnel magnetoresistance at high bias voltage in double-barrier planar junctions. Applied Physics Letters, 1998, 73, 2829-2831.	3.3	91
136	Magnetocrystalline anisotropy in (111) CoPt <sub>3</sub> thin film with growth-induced chemical anisotropy investigated by x-ray magnetic circular dichroism. Journal of Applied Physics, 1998, 83, 6617-6619.	2.5	9
137	Point-contact electrodes to probe charging effects in individual ultrasmall cobalt clusters. Applied Physics Letters, 1998, 72, 386-388.	3.3	38
138	Magnetoresistance of ferromagnetic tunnel junctions with Al <sub>2</sub> O <sub>3</sub> barriers formed by rf sputter etching in Ar/O <sub>2</sub> plasma. Applied Physics Letters, 1998, 73, 698-700.	3.3	39
139	Magnetoresistance of NiMnSb-based multilayers and spin valves. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 1998, 16, 1801-1805.	2.1	68
140	Magnetocrystalline anisotropy in (111)CoPt <sub>3</sub> thin films probed by x-ray magnetic circular dichroism. Physical Review B, 1998, 58, 6298-6304.	3.2	100
141	Tunneling Magnetoresistance in Ferromagnetic Junctions: Bias Dependence. Acta Physica Polonica A, 1998, 93, 387-391.	0.5	5
142	Étude morphologique d'agrégats inclus dans des couches minces superficielles par diffusion centrale des rayons X en incidence rasante. European Physical Journal Special Topics, 1998, 08, Pr5-295-Pr5-302.	0.2	0
143	Magneto-optical properties of sputter-deposited NiMnSb thin films. Applied Physics Letters, 1997, 71, 2382-2384.	3.3	9
144	Structure and magnetism of Pd in Pd/Fe multilayers studied by x-ray magnetic circular dichroism at the PdL <sub>2,3</sub> edges. Physical Review B, 1997, 55, 3663-3669.	3.2	129

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145	Spin-dependent tunneling with Coulomb blockade. Physical Review B, 1997, 56, R5747-R5750.	3.2	190
146	Low-Temperature Growth of NiMnSb Heusler Alloy Thin Films. Materials Research Society Symposia Proceedings, 1997, 475, 15.	0.1	3
147	Structural and Magnetotransport Properties of NiMnSb/Cu and NiMnSb/Ag Multilayers. Materials Research Society Symposia Proceedings, 1997, 475, 175.	0.1	2
148	Deposition of high-quality NiMnSb magnetic thin films at moderate temperatures. Journal of Applied Physics, 1997, 81, 2740-2744.	2.5	45
149	Structure and Magnetism of Pd in Pd/Fe Multilayers Studied by XMCD at the Pd L <sub>2,3</sub> Edges. European Physical Journal Special Topics, 1997, 7, C2-401-C2-403.	0.2	0
150	Magnétorésistance géante dans les nanostructures magnétiques. European Physical Journal Special Topics, 1997, 07, C6-151-C6-161.	0.2	1
151	Palladium magnetism in Pd/Fe multilayers studied by XMCD at the PdL <sub>2,3</sub> edges. Journal of Magnetism and Magnetic Materials, 1997, 165, 96-99.	2.3	22
152	Spin-dependent tunneling in granular magnetic tunnel junctions. Journal of Magnetism and Magnetic Materials, 1997, 175, 33.	2.3	1
153	Oscillatory interlayer exchange and giant magnetoresistance in magnetic multilayers. AIP Conference Proceedings, 1996, , .	0.4	4
154	Fabrication of micro-sensors integrated with single nanometer magnetic particles: Detection of the reversal of the magnetization. Microelectronic Engineering, 1996, 30, 483-486.	2.4	3
155	Two Dimensional Magnetic Properties of PdFe Layers. Materials Research Society Symposia Proceedings, 1995, 384, 259.	0.1	0
156	Giant magnetoresistance in magnetic nanostructures. Recent developments. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 1995, 31, 1-9.	3.5	17
157	Layered magnetic structures: interlayer exchange coupling and giant magnetoresistance. Journal of Magnetism and Magnetic Materials, 1995, 140-144, 1-8.	2.3	154
158	A new multilayer system:. Journal of Magnetism and Magnetic Materials, 1995, 140-144, 611-612.	2.3	1
159	Giant magnetoresistance in hybrid magnetic nanostructures. Journal of Magnetism and Magnetic Materials, 1995, 140-144, 495-496.	2.3	8
160	Giant magnetoresistance in hybrid nanostructures. Journal of Magnetism and Magnetic Materials, 1995, 151, 324-332.	2.3	13
161	Giant magnetoresistance in magnetic nanostructures. Scripta Materialia, 1995, 6, 217-226.	0.5	12
162	Angular dependence of the giant magnetoresistance effect. Physical Review B, 1995, 51, 292-296.	3.2	30

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163	Inverse spin-valve-type magnetoresistance in spin engineered multilayered structures. Physical Review Letters, 1994, 72, 408-411.	7.8	125
164	Interfacial structure and giant magnetoresistance in Fe/Cr superlattices. European Physical Journal Special Topics, 1994, 04, C9-121-C9-125.	0.2	1
165	Structural and Magnetoresistance Properties of Co/Cu Multilayers Doped with Fe. Materials Research Society Symposia Proceedings, 1993, 313, 737.	0.1	6
166	Structural characterization of Fe/Cu multilayers by x-ray absorption spectroscopy. Physical Review B, 1992, 46, 1253-1256.	3.2	34
167	Magnetic multilayers: oscillatory interlayer exchange and giant magnetoresistance. Journal of Magnetism and Magnetic Materials, 1992, 104-107, 1712-1716.	2.3	48
168	Local Hall probe magnetometry: application to magnetic multilayers. Journal of Magnetism and Magnetic Materials, 1992, 104-107, 1811-1812.	2.3	2
169	Structure cristallographique de multicouches magnétiques étudiées par spectroscopie d'absorption X. European Physical Journal Special Topics, 1992, 02, C3-185-C3-189.	0.2	2
170	Oscillatory interlayer exchange and magnetoresistance in Fe/Cu multilayers. Physical Review B, 1991, 44, 5355-5357.	3.2	203
171	Oscillatory interlayer coupling and giant magnetoresistance in Co/Cu multilayers. Journal of Magnetism and Magnetic Materials, 1991, 94, L1-L5.	2.3	633
172	Magnetoresistance of Fe/Cr superlattices. Journal of Magnetism and Magnetic Materials, 1991, 93, 95-100.	2.3	158
173	Magnetoresistance of Co-Based multilayered structures. Journal of Magnetism and Magnetic Materials, 1991, 93, 480-484.	2.3	38
174	Molecular beam epitaxial growth of Cr/Fe, Ag/Fe, Ag/Cr and Ag/Co superlattices on MgO (001) substrates. Journal of Crystal Growth, 1991, 111, 1003-1010.	1.5	31
175	Magnetic and transport properties of Fe/Cr superlattices (invited). Journal of Applied Physics, 1990, 67, 5908-5913.	2.5	210
176	A comparative study of the molecular beam epitaxial growth of Ag/Fe, Ag/Cr, and Fe/Cr superlattices on GaAs (001). Journal of Applied Physics, 1990, 67, 5400-5402.	2.5	25
177	Giant Magnetoresistance of (001)Fe/(001)Cr Magnetic Superlattices. Physical Review Letters, 1988, 61, 2472-2475.	7.8	8,315
178	High Domain Wall Velocity at Zero Magnetic Field Induced by Low Current Densities in Spin Valve Nanostripes. Applied Physics Express, 0, 2, 023003.	2.4	32