

Stuart Parkin

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

606
papers

48,894
citations

93
h-index

208
g-index

648
ext. papers

54,503
ext. citations

7.7
avg, IF

7.67
L-index

#	Paper	IF	Citations
606	Anomalous excitations of atomically crafted quantum magnets.. <i>Science Advances</i> , 2022 , 8, eabi7291	14.3	1
605	Direct observation of the spin-orbit coupling effect in magnetic Weyl semimetal Co ₃ Sn ₂ S ₂ . <i>Npj Quantum Materials</i> , 2022 , 7,	5	1
604	Magnetic Skyrmions in a Thickness Tunable 2D Ferromagnet from a Defect Driven Dzyaloshinskii-Moriya Interaction.. <i>Advanced Materials</i> , 2022 , e2108637	24	5
603	Heusler-based synthetic antiferrimagnets.. <i>Science Advances</i> , 2022 , 8, eabg2469	14.3	1
602	Ultrafast sub-100 fs all-optical modulation and efficient third-harmonic generation in Weyl semimetal niobium phosphide thin films.. <i>Advanced Materials</i> , 2022 , e2106733	24	0
601	Catalogue of flat-band stoichiometric materials.. <i>Nature</i> , 2022 , 603, 824-828	50.4	4
600	Giant spin Hall effect and spin-orbit torques in 5d transition metal - aluminum alloys from extrinsic scattering.. <i>Advanced Materials</i> , 2022 , e2109406	24	2
599	Atomic Scale Control of Spin Current Transmission at Interfaces.. <i>Nano Letters</i> , 2022 ,	11.5	2
598	Obstructed surface states as the descriptor for predicting catalytic active sites in inorganic crystalline materials.. <i>Advanced Materials</i> , 2022 , e2201328	24	0
597	The field-free Josephson diode in a van der Waals heterostructure.. <i>Nature</i> , 2022 , 604, 653-656	50.4	4
596	Observation of fractional spin textures in a Heusler material.. <i>Nature Communications</i> , 2022 , 13, 2348	17.4	0
595	Crystallographic dependence of the spin Hall angle in epitaxial Pt films: Comparison of optical and electrical detection of spin-torque ferromagnetic resonance techniques. <i>Applied Physics Letters</i> , 2022 , 120, 172406	3.4	1
594	Fermi surface chirality induced in a TaSe monosheet formed by a Ta/BiSe interface reaction.. <i>Nature Communications</i> , 2022 , 13, 2472	17.4	0
593	All topological bands of all nonmagnetic stoichiometric materials.. <i>Science</i> , 2022 , 376, eabg9094	33.3	8
592	Long range and highly tunable interaction between local spins coupled to a superconducting condensate. <i>Nature Communications</i> , 2021 , 12, 6722	17.4	4
591	Topological phase transition in a magnetic Weyl semimetal. <i>Physical Review B</i> , 2021 , 104,	3.3	1
590	Domain wall dynamics in two-dimensional van der Waals ferromagnets. <i>Applied Physics Reviews</i> , 2021 , 8, 041411	17.3	0

589	Energy-efficient memcapacitor devices for neuromorphic computing. <i>Nature Electronics</i> , 2021 , 4, 748-756	8.4	11
588	Introduction to Molecular Interface Engineering of Transition Metal Dichalcogenide-based Devices 2021 , 43-91		
587	Intrinsic 2D-XY ferromagnetism in a van der Waals monolayer. <i>Science</i> , 2021 , 374, 616-620	33.3	21
586	Colloquium: Physical properties of group-IV monochalcogenide monolayers. <i>Reviews of Modern Physics</i> , 2021 , 93,	40.5	18
585	Interplay between superconductivity and the Kondo effect on magnetic nanodots. <i>Applied Physics Letters</i> , 2021 , 118, 152407	3.4	1
584	Competing Energy Scales in Topological Superconducting Heterostructures. <i>Nano Letters</i> , 2021 , 21, 2758-2765	2.7	1
583	Chiral spintronics. <i>Nature Reviews Physics</i> , 2021 , 3, 328-343	23.6	41
582	Large Fermi-Energy Shift and Suppression of Trivial Surface States in NbP Weyl Semimetal Thin Films. <i>Advanced Materials</i> , 2021 , 33, e2008634	24	2
581	Origin of the quasi-quantized Hall effect in ZrTe. <i>Nature Communications</i> , 2021 , 12, 3197	17.4	5
580	Observation of the critical state to multiple-type Dirac semimetal phases in KMgBi. <i>Journal of Applied Physics</i> , 2021 , 129, 235109	2.5	
579	Observation of Optically Addressable Nonvolatile Memory in VO ₂ at Room Temperature. <i>Advanced Electronic Materials</i> , 2021 , 7, 2001142	6.4	8
578	Nanoscale Noncollinear Spin Textures in Thin Films of a D Heusler Compound. <i>Advanced Materials</i> , 2021 , 33, e2101323	24	4
577	Determination of the spin Hall angle by the inverse spin Hall effect, device level ferromagnetic resonance, and spin torque ferromagnetic resonance: A comparison of methods. <i>Applied Physics Letters</i> , 2021 , 119, 042401	3.4	1
576	Structure and Magnetism of EuS on Bi ₂ Se ₃ (0001). <i>Physica Status Solidi (B): Basic Research</i> , 2021 , 258, 2000290	1.3	5
575	Material Preparation/Thin Film Growth 2021 , 1-50		
574	Increased Efficiency of Current-Induced Motion of Chiral Domain Walls by Interface Engineering. <i>Advanced Materials</i> , 2021 , 33, e2007991	24	6
573	Correlating Josephson supercurrents and Shiba states in quantum spins unconventionally coupled to superconductors. <i>Nature Communications</i> , 2021 , 12, 1108	17.4	5
572	Vortex-Oriented Ferroelectric Domains in SnTe/PbTe Monolayer Lateral Heterostructures. <i>Advanced Materials</i> , 2021 , 33, e2102267	24	2

571	Ionitronic manipulation of current-induced domain wall motion in synthetic antiferromagnets. <i>Nature Communications</i> , 2021 , 12, 5002	17.4	3
570	Long-range supercurrents through a chiral non-collinear antiferromagnet in lateral Josephson junctions. <i>Nature Materials</i> , 2021 , 20, 1358-1363	27	8
569	Molecular Dopant-Dependent Charge Transport in Surface-Charge-Transfer-Doped Tungsten Diselenide Field Effect Transistors. <i>Advanced Materials</i> , 2021 , 33, e2101598	24	5
568	Role of Two-Dimensional Ising Superconductivity in the Nonequilibrium Quasiparticle Spin-to-Charge Conversion Efficiency. <i>ACS Nano</i> , 2021 , 15, 16819-16827	16.7	1
567	MoS2 on topological insulator Bi2Te3 thin films: Activation of the basal plane for hydrogen reduction. <i>Journal of Energy Chemistry</i> , 2021 , 62, 516-522	12	6
566	A charge-density-wave topological semimetal. <i>Nature Physics</i> , 2021 , 17, 381-387	16.2	22
565	Evolution and competition between chiral spin textures in nanostripes with symmetry. <i>Science Advances</i> , 2020 , 6,	14.3	9
564	Tunable Magnetic Antiskyrmion Size and Helical Period from Nanometers to Micrometers in a D Heusler Compound. <i>Advanced Materials</i> , 2020 , 32, e2002043	24	14
563	Atomic Layer Deposition of Cobalt Phosphide for Efficient Water Splitting. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 17172-17176	16.4	25
562	Die Atomlagenabscheidung von Cobaltphosphid zum Zwecke einer effizienten Wasserspaltung. <i>Angewandte Chemie</i> , 2020 , 132, 17324-17329	3.6	1
561	Ionic Liquid Gate-Induced Modifications of Step Edges at SrCoO Surfaces. <i>ACS Nano</i> , 2020 , 14, 8562-8569	16.7	2
560	Experimental formation of monolayer group-IV monochalcogenides. <i>Journal of Applied Physics</i> , 2020 , 127, 220902	2.5	10
559	Signatures of Sixfold Degenerate Exotic Fermions in a Superconducting Metal PdSb. <i>Advanced Materials</i> , 2020 , 32, e1906046	24	15
558	Elliptical Bloch skyrmion chiral twins in an antiskyrmion system. <i>Nature Communications</i> , 2020 , 11, 1115	17.4	47
557	Anomalous and topological Hall effects in epitaxial thin films of the noncollinear antiferromagnet Mn3Sn. <i>Physical Review B</i> , 2020 , 101,	3.3	30
556	Realization of Epitaxial NbP and TaP Weyl Semimetal Thin Films. <i>ACS Nano</i> , 2020 , 14, 4405-4413	16.7	18
555	The 2020 skyrmionics roadmap. <i>Journal Physics D: Applied Physics</i> , 2020 , 53, 363001	3	90
554	Magnetic Racetrack Memory: From Physics to the Cusp of Applications Within a Decade. <i>Proceedings of the IEEE</i> , 2020 , 108, 1303-1321	14.3	27

553	Large planar Hall effect in bismuth thin films. <i>Physical Review Research</i> , 2020 , 2,	3.9	9
552	ShiftsReduce. <i>Transactions on Architecture and Code Optimization</i> , 2020 , 16, 1-23	1.3	14
551	Largely Suppressed Magneto-Thermal Conductivity and Enhanced Magneto-Thermoelectric Properties in PtSn. <i>Research</i> , 2020 , 2020, 4643507	7.8	11
550	Doping-induced spin Hall ratio enhancement in A15-phase, Ta-doped BiW thin films. <i>JPhys Materials</i> , 2020 , 3, 044001	4.2	3
549	Anomalous thickness-dependent electrical conductivity in van der Waals layered transition metal halide, NbCl. <i>Journal of Physics Condensed Matter</i> , 2020 , 32, 304004	1.8	3
548	Observation of Robust Néel Skyrmions in Metallic PtMnGa. <i>Advanced Materials</i> , 2020 , 32, e1904327	24	17
547	Observation of Magnetic Antiskyrmions in the Low Magnetization Ferrimagnet MnRhIrSn. <i>Nano Letters</i> , 2020 , 20, 59-65	11.5	28
546	Field-Modulated Anomalous Hall Conductivity and Planar Hall Effect in CoSnS Nanoflakes. <i>Nano Letters</i> , 2020 , 20, 7860-7867	11.5	9
545	A New Highly Anisotropic Rh-Based Heusler Compound for Magnetic Recording. <i>Advanced Materials</i> , 2020 , 32, e2004331	24	1
544	Topological Hall Signatures of Two Chiral Spin Textures Hosted in a Single Tetragonal Inverse Heusler Thin Film. <i>ACS Nano</i> , 2020 , 14, 13463-13469	16.7	12
543	Plasmonic Skyrmion Lattice Based on the Magnetoelectric Effect. <i>Physical Review Letters</i> , 2020 , 125, 227201	7.4	5
542	Giant Transition-State Quasiparticle Spin-Hall Effect in an Exchange-Spin-Split Superconductor Detected by Nonlocal Magnon Spin Transport. <i>ACS Nano</i> , 2020 , 14, 15874-15883	16.7	7
541	Handedness-dependent quasiparticle interference in the two enantiomers of the topological chiral semimetal PdGa. <i>Nature Communications</i> , 2020 , 11, 3507	17.4	8
540	Giant, unconventional anomalous Hall effect in the metallic frustrated magnet candidate, KVsb. <i>Science Advances</i> , 2020 , 6, eabb6003	14.3	97
539	Efficient Chiral-Domain-Wall Motion Driven by Spin-Orbit Torque in Metastable Platinum Films. <i>Physical Review Applied</i> , 2020 , 14,	4.3	2
538	Microscopic Manipulation of Ferroelectric Domains in SnSe Monolayers at Room Temperature. <i>Nano Letters</i> , 2020 , 20, 6590-6597	11.5	51
537	Magnetic Weyl semimetal phase in a Kagoml crystal. <i>Science</i> , 2019 , 365, 1282-1285	33.3	238
536	Electric Field Control of Phase Transition and Tunable Resistive Switching in SrFeO. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 6581-6588	9.5	26

535	Effect of interfacial insertion layers on the spin-orbit torque in W(O) CoFeB heterostructures. <i>Applied Physics Express</i> , 2019 , 12, 033001	2.4	2
534	Standing Waves Induced by Valley-Mismatched Domains in Ferroelectric SnTe Monolayers. <i>Physical Review Letters</i> , 2019 , 122, 206402	7.4	17
533	Extremely high conductivity observed in the triple point topological metal MoP. <i>Nature Communications</i> , 2019 , 10, 2475	17.4	28
532	From an atomic layer to the bulk: Low-temperature atomistic structure and ferroelectric and electronic properties of SnTe films. <i>Physical Review B</i> , 2019 , 99,	3.3	28
531	Robust Antiskyrmion Phase in Bulk Tetragonal MnPt(Pd)Sn Heusler System Probed by Magnetic Entropy Change and AC-Susceptibility Measurements. <i>Advanced Functional Materials</i> , 2019 , 29, 1901776	15.6	11
530	Chiral exchange drag and chirality oscillations in synthetic antiferromagnets. <i>Nature Physics</i> , 2019 , 15, 543-548	16.2	15
529	Tetragonal Mn ₃ Sn Heusler films with large perpendicular magnetic anisotropy deposited on metallic MnN underlayers using amorphous substrates. <i>APL Materials</i> , 2019 , 7, 031103	5.7	3
528	Lattice strain-enhanced exsolution of nanoparticles in thin films. <i>Nature Communications</i> , 2019 , 10, 147117.4	17.4	66
527	Giant intrinsic spin Hall effect in WTa and other A15 superconductors. <i>Science Advances</i> , 2019 , 5, eaav8571.3	15.3	34
526	The growth and phase distribution of ultrathin SnTe on graphene. <i>APL Materials</i> , 2019 , 7, 041102	5.7	8
525	Magnetic and electrical transport signatures of uncompensated moments in epitaxial thin films of the noncollinear antiferromagnet Mn ₃ Ir. <i>Applied Physics Letters</i> , 2019 , 115, 062403	3.4	8
524	Localized Triggering of the Insulator-Metal Transition in VO Using a Single Carbon Nanotube. <i>ACS Nano</i> , 2019 , 13, 11070-11077	16.7	11
523	In Situ Modification of a Delafossite-Type PdCoO Bulk Single Crystal for Reversible Hydrogen Sorption and Fast Hydrogen Evolution. <i>ACS Energy Letters</i> , 2019 , 4, 2185-2191	20.1	19
522	Surface states in bulk single crystal of topological semimetal CoSnS toward water oxidation. <i>Science Advances</i> , 2019 , 5, eaaw9867	14.3	63
521	Electrical writing, deleting, reading, and moving of magnetic skyrmioniums in a racetrack device. <i>Scientific Reports</i> , 2019 , 9, 12119	4.9	34
520	Dirac Nodal Arc Semimetal PtSn : An Ideal Platform for Understanding Surface Properties and Catalysis for Hydrogen Evolution. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 13107-13112	16.4	27
519	Dirac Nodal Arc Semimetal PtSn ₄ : An Ideal Platform for Understanding Surface Properties and Catalysis for Hydrogen Evolution. <i>Angewandte Chemie</i> , 2019 , 131, 13241-13246	3.6	7
518	Current-Induced Magnetization Switching by the High Spin Hall Conductivity \bar{W} . <i>Physica Status Solidi - Rapid Research Letters</i> , 2019 , 13, 1900408	2.5	8

517	Nonlinear Magnetization Dynamics Driven by Strong Terahertz Fields. <i>Physical Review Letters</i> , 2019 , 123, 197204	7.4	14
516	Epitaxial growth, structural characterization, and exchange bias of noncollinear antiferromagnetic Mn3Ir thin films. <i>Physical Review Materials</i> , 2019 , 3,	3.2	4
515	Emerging Spintronic Memories 2019 , 443-470		
514	RTSim: A Cycle-Accurate Simulator for Racetrack Memories. <i>IEEE Computer Architecture Letters</i> , 2019 , 18, 43-46	1.8	14
513	Intrinsic stability of magnetic anti-skyrmions in the tetragonal inverse Heusler compound MnPtPdSn. <i>Nature Communications</i> , 2019 , 10, 5305	17.4	19
512	Enhanced Spontaneous Polarization in Ultrathin SnTe Films with Layered Antipolar Structure. <i>Advanced Materials</i> , 2019 , 31, e1804428	24	57
511	Synthetic Antiferromagnetic Spintronics. <i>Nature Physics</i> , 2018 , 14, 217-219	16.2	165
510	Quantum oscillations in the type-II Dirac semi-metal candidate PtSe2. <i>New Journal of Physics</i> , 2018 , 20, 043008	2.9	24
509	Pressure-induced superconductivity and topological quantum phase transitions in a quasi-one-dimensional topological insulator: Bi4I4. <i>Npj Quantum Materials</i> , 2018 , 3,	5	22
508	Symmetry demanded topological nodal-line materials. <i>Advances in Physics: X</i> , 2018 , 3, 1414631	5.1	77
507	Highly Asymmetric Chiral Domain-Wall Velocities in Y-Shaped Junctions. <i>Nano Letters</i> , 2018 , 18, 1826-1830	10.5	18
506	Gating effects of conductive polymeric ionic liquids. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 8242-8250	7.1	8
505	Separation of enantiomers by their enantiospecific interaction with achiral magnetic substrates. <i>Science</i> , 2018 , 360, 1331-1334	33.3	183
504	Anomalous Hall effect in Weyl semimetal half-Heusler compounds RPtBi (R = Gd and Nd). <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 9140-9144	11.5	61
503	Direct imaging of structural changes induced by ionic liquid gating leading to engineered three-dimensional meso-structures. <i>Nature Communications</i> , 2018 , 9, 3055	17.4	32
502	Role of Micromagnetic States on Spin-Orbit Torque-Switching Schemes. <i>Nano Letters</i> , 2018 , 18, 4074-4080	10.5	3
501	Adaptive modulation in the Ni2Mn1.4In0.6 magnetic shape-memory Heusler alloy. <i>Physical Review B</i> , 2018 , 97,	3.3	12
500	Noncollinear antiferromagnetic Mn3Sn films. <i>Physical Review Materials</i> , 2018 , 2,	3.2	36

499	Chiral domain wall motion in unit-cell thick perpendicularly magnetized Heusler films prepared by chemical templating. <i>Nature Communications</i> , 2018 , 9, 4653	17.4	26
498	The Role of Ionic Liquid Breakdown in the Electrochemical Metallization of VO: An NMR Study of Gating Mechanisms and VO Reduction. <i>Journal of the American Chemical Society</i> , 2018 , 140, 16685-16696	16.4	19
497	Exchange coupling torque in ferrimagnetic Co/Gd bilayer maximized near angular momentum compensation temperature. <i>Nature Communications</i> , 2018 , 9, 4984	17.4	52
496	Directly photoexcited Dirac and Weyl fermions in ZrSiS and NbAs. <i>Applied Physics Letters</i> , 2018 , 113, 221906	10.6	9
495	Thermopower and Unconventional Nernst Effect in the Predicted Type-II Weyl Semimetal WTe. <i>Nano Letters</i> , 2018 , 18, 6591-6596	11.5	17
494	Synthesis and Morphology of Semifluorinated Polymeric Ionic Liquids. <i>Macromolecules</i> , 2018 , 51, 8620-8628	6.3	6
493	Higher-order topological insulators. <i>Science Advances</i> , 2018 , 4, eaat0346	14.3	558
492	Ultrafast terahertz field control of electronic and structural interactions in vanadium dioxide. <i>Physical Review B</i> , 2018 , 98,	3.3	34
491	Carbon-Tailored Semimetal MoP as an Efficient Hydrogen Evolution Electrocatalyst in Both Alkaline and Acid Media. <i>Advanced Energy Materials</i> , 2018 , 8, 1801258	21.8	80
490	Multiple Dirac cones at the surface of the topological metal LaBi. <i>Nature Communications</i> , 2017 , 8, 13942	17.4	75
489	Signature of type-II Weyl semimetal phase in MoTe. <i>Nature Communications</i> , 2017 , 8, 13973	17.4	273
488	Reversible Formation of 2D Electron Gas at the LaFeO /SrTiO Interface via Control of Oxygen Vacancies. <i>Advanced Materials</i> , 2017 , 29, 1604447	24	24
487	Investigation of non-reciprocal magnon propagation using lock-in thermography. <i>Journal Physics D: Applied Physics</i> , 2017 , 50, 134001	3	4
486	Phase-resolved detection of the spin Hall angle by optical ferromagnetic resonance in perpendicularly magnetized thin films. <i>Physical Review B</i> , 2017 , 95,	3.3	8
485	Dramatic influence of curvature of nanowire on chiral domain wall velocity. <i>Science Advances</i> , 2017 , 3, e1602804	14.3	31
484	Influence of nanoscale order-disorder transitions on the magnetic properties of Heusler compounds for spintronics. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 4388-4392	7.1	4
483	Bias dependence of spin transfer torque in Co ₂ MnSi Heusler alloy based magnetic tunnel junctions. <i>Applied Physics Letters</i> , 2017 , 110, 172403	3.4	13
482	Novel domain wall dynamics in synthetic antiferromagnets. <i>Journal of Physics Condensed Matter</i> , 2017 , 29, 303001	1.8	20

481	Unified explanation of chemical ordering, the Slater-Pauling rule, and half-metallicity in full Heusler compounds. <i>Physical Review B</i> , 2017 , 95,	3.3	38
480	Manipulating charge ordering in Fe ₃ O ₄ by field cooling. <i>Physical Review B</i> , 2017 , 95,	3.3	4
479	Origin of the Tetragonal Ground State of Heusler Compounds. <i>Physical Review Applied</i> , 2017 , 7,	4.3	82
478	Evidence for Ionic Liquid Gate-Induced Metallization of Vanadium Dioxide Bars over Micron Length Scales. <i>Nano Letters</i> , 2017 , 17, 2796-2801	11.5	9
477	Topological Weyl semimetals in the chiral antiferromagnetic materials Mn ₃ Ge and Mn ₃ Sn. <i>New Journal of Physics</i> , 2017 , 19, 015008	2.9	170
476	Weyl Semimetals as Hydrogen Evolution Catalysts. <i>Advanced Materials</i> , 2017 , 29, 1606202	24	107
475	Prediction of Triple Point Fermions in Simple Half-Heusler Topological Insulators. <i>Physical Review Letters</i> , 2017 , 119, 136401	7.4	56
474	Atomic structure governed diversity of exchange-driven spin helices in Fe nanoislands: Experiment and theory. <i>Physical Review B</i> , 2017 , 96,	3.3	1
473	Magnetic antiskyrmions above room temperature in tetragonal Heusler materials. <i>Nature</i> , 2017 , 548, 561-566	50.4	344
472	Geometric and electronic structure of the Cs-doped Bi ₂ Se ₃ (0001) surface. <i>Physical Review B</i> , 2017 , 95,	3.3	5
471	Photochemical Water Splitting by Bismuth Chalcogenide Topological Insulators. <i>ChemPhysChem</i> , 2017 , 18, 2322-2327	3.2	30
470	Similar ultrafast dynamics of several dissimilar Dirac and Weyl semimetals. <i>Journal of Applied Physics</i> , 2017 , 122, 223102	2.5	27
469	Influence of Magnetic Anisotropy on Inverse Spin Hall Voltage. <i>Spin</i> , 2017 , 07, 1750007	1.3	1
468	Heusler 4.0: Tunable Materials. <i>Annual Review of Materials Research</i> , 2017 , 47, 247-270	12.8	79
467	Instability of the topological surface state in Bi ₂ Se ₃ upon deposition of gold. <i>Physical Review B</i> , 2017 , 95,	3.3	9
466	Ensemble-averaged Rabi oscillations in a ferromagnetic CoFeB film. <i>Nature Communications</i> , 2017 , 8, 16004	17.4	9
465	Heusler compounds with perpendicular magnetic anisotropy and large tunneling magnetoresistance. <i>Physical Review Materials</i> , 2017 , 1,	3.2	30
464	Structural, electronic, and magnetic investigation of magnetic ordering in MBE-grown Cr x Sb 2Te 3 thin films. <i>Europhysics Letters</i> , 2016 , 115, 27006	1.6	18

463	THz-Driven Ultrafast Spin-Lattice Scattering in Amorphous Metallic Ferromagnets. <i>Physical Review Letters</i> , 2016 , 117, 087205	7.4	59
462	Current-driven domain wall motion due to volume spin transfer torque in Co/Ni multilayer systems on Au underlayer. <i>Japanese Journal of Applied Physics</i> , 2016 , 55, 093002	1.4	0
461	Large anomalous Hall effect driven by a nonvanishing Berry curvature in the noncolinear antiferromagnet Mn ₃ Ge. <i>Science Advances</i> , 2016 , 2, e1501870	14.3	345
460	In-line spin-torque nano-oscillators in perpendicularly magnetized nanowires. <i>Physical Review B</i> , 2016 , 93,	3.3	6
459	Generation mechanism of terahertz coherent acoustic phonons in Fe. <i>Physical Review B</i> , 2016 , 93,	3.3	39
458	Parametric Harmonic Generation as a Probe of Unconstrained Spin Magnetization Precession in the Shallow Barrier Limit. <i>Physical Review Letters</i> , 2016 , 116, 047204	7.4	6
457	Correlation-Driven Insulator-Metal Transition in Near-Ideal Vanadium Dioxide Films. <i>Physical Review Letters</i> , 2016 , 116, 116403	7.4	56
456	Giant facet-dependent spin-orbit torque and spin Hall conductivity in the triangular antiferromagnet IrMn. <i>Science Advances</i> , 2016 , 2, e1600759	14.3	135
455	Structural and electronic properties of epitaxial multilayer h-BN on Ni(111) for spintronics applications. <i>Scientific Reports</i> , 2016 , 6, 23547	4.9	67
454	Superconductivity in Weyl semimetal candidate MoTe ₂ . <i>Nature Communications</i> , 2016 , 7, 11038	17.4	442
453	Strength of the symmetry spin-filtering effect in magnetic tunnel junctions. <i>Physical Review B</i> , 2016 , 94,	3.3	1
452	Enhanced spin-orbit torques by oxygen incorporation in tungsten films. <i>Nature Communications</i> , 2016 , 7, 10644	17.4	209
451	Termination layer compensated tunnelling magnetoresistance in ferrimagnetic Heusler compounds with high perpendicular magnetic anisotropy. <i>Nature Communications</i> , 2016 , 7, 10276	17.4	59
450	Probing the spinor nature of electronic states in nanosize non-collinear magnets. <i>Nature Communications</i> , 2016 , 7, 13000	17.4	6
449	Measurement of collective excitations in VO ₂ by resonant inelastic x-ray scattering. <i>Physical Review B</i> , 2016 , 94,	3.3	7
448	Dirac cone protected by non-symmorphic symmetry and three-dimensional Dirac line node in ZrSiS. <i>Nature Communications</i> , 2016 , 7, 11696	17.4	423
447	Mesoscopic structural phase progression in photo-excited VO ₂ revealed by time-resolved x-ray diffraction microscopy. <i>Scientific Reports</i> , 2016 , 6, 21999	4.9	19
446	Investigation of the unidirectional spin heat conveyer effect in a 200 nm thin Yttrium Iron Garnet film. <i>Scientific Reports</i> , 2016 , 6, 28233	4.9	46

445	Observation of topological Hall effect in Mn ₂ RhSn films. <i>New Journal of Physics</i> , 2016 , 18, 085007	2.9	31
444	Current-Induced Domain-Wall Motion for Electron Flow in Ferromagnetic Pt/Co/Ni/Co/Pt Wires. <i>IEEE Transactions on Magnetism</i> , 2016 , 52, 1-4	2	1
443	Focused-electron-beam-induced-deposited cobalt nanopillars for nanomagnetic logic. <i>Nanotechnology</i> , 2016 , 27, 165301	3.4	7
442	Basics and Prospectives of Magnetic Heusler Compounds. <i>Springer Series in Materials Science</i> , 2016 , 37-48.9		5
441	Heusler Alloy Films for Spintronic Devices. <i>Springer Series in Materials Science</i> , 2016 , 219-248	0.9	9
440	Heusler Compounds: Applications in Spintronics 2016 , 335-364		7
439	Experimentally tunable chiral spin transfer torque in domain wall motion. <i>New Journal of Physics</i> , 2016 , 18, 053027	2.9	6
438	Facet-Independent Electric-Field-Induced Volume Metallization of Tungsten Trioxide Films. <i>Advanced Materials</i> , 2016 , 28, 5284-92	24	41
437	Preface to Special Topic: 2D Spintronics. <i>APL Materials</i> , 2016 , 4, 032201	5.7	6
436	Thermal radiative near field transport between vanadium dioxide and silicon oxide across the metal insulator transition. <i>Applied Physics Letters</i> , 2016 , 108, 171904	3.4	24
435	Butterfly magnetoresistance, quasi-2D Dirac Fermi surface and topological phase transition in ZrSiS. <i>Science Advances</i> , 2016 , 2, e1601742	14.3	124
434	Experimental Investigation of Temperature-Dependent Gilbert Damping in Permalloy Thin Films. <i>Scientific Reports</i> , 2016 , 6, 22890	4.9	80
433	Effect of microstructures on the Gilbert damping in Co/Ni multilayers. <i>Current Applied Physics</i> , 2016 , 16, 1349-1352	2.6	
432	Transparent conducting oxide induced by liquid electrolyte gating. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 11148-11151	11.5	14
431	Metallization of Epitaxial VO ₂ Films by Ionic Liquid Gating through Initially Insulating TiO ₂ Layers. <i>Nano Letters</i> , 2016 , 16, 5475-81	11.5	28
430	Compensated Ferrimagnetic Tetragonal Heusler Thin Films for Antiferromagnetic Spintronics. <i>Advanced Materials</i> , 2016 , 28, 8499-8504	24	35
429	Highly efficient in-line magnetic domain wall injector. <i>Nano Letters</i> , 2015 , 15, 835-41	11.5	29
428	Giant reversible, facet-dependent, structural changes in a correlated-electron insulator induced by ionic liquid gating. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 1013-8	11.5	76

427	Domain-wall velocities of up to 750 m s ⁻¹ driven by exchange-coupling torque in synthetic antiferromagnets. <i>Nature Nanotechnology</i> , 2015 , 10, 221-6	28.7	419
426	Memory on the racetrack. <i>Nature Nanotechnology</i> , 2015 , 10, 195-8	28.7	460
425	Magnetotransport properties of spin-valve structures with Mg spacer layers. <i>Applied Physics Letters</i> , 2015 , 106, 032412	3.4	1
424	Intrinsic and extrinsic Gilbert damping in exchange-biased IrMn/Cu/CoFe trilayer films. <i>Applied Physics Express</i> , 2015 , 8, 053002	2.4	9
423	Heusler Compounds: Applications in Spintronics 2015 , 1-24		2
422	Role of transparency of platinum/ferromagnet interfaces in determining the intrinsic magnitude of the spin Hall effect. <i>Nature Physics</i> , 2015 , 11, 496-502	16.2	360
421	Basics and prospective of magnetic Heusler compounds. <i>APL Materials</i> , 2015 , 3, 041518	5.7	118
420	Broadband extreme ultraviolet probing of transient gratings in vanadium dioxide. <i>Optics Express</i> , 2015 , 23, 4340-7	3.3	12
419	X-ray magnetic circular dichroism study of epitaxial magnetite ultrathin film on MgO(100). <i>Journal of Applied Physics</i> , 2015 , 117, 17E121	2.5	11
418	Determination of intrinsic damping of perpendicularly magnetized ultrathin films from time-resolved precessional magnetization measurements. <i>Physical Review B</i> , 2015 , 92,	3.3	43
417	Brillouin zone spin filtering mechanism of enhanced tunneling magnetoresistance and correlation effects in a Co(0001)/h-BN/Co(0001) magnetic tunnel junction. <i>Physical Review B</i> , 2015 , 92,	3.3	17
416	Field Effect and Strongly Localized Carriers in the Metal-Insulator Transition Material VO(2). <i>Physical Review Letters</i> , 2015 , 115, 196401	7.4	26
415	Depth-dependent giant lattice expansion of up to 5% in ionic liquid-gated 90 nm thick VO ₂ (001)/Al ₂ O ₃ (101̄0) films. <i>Applied Physics Letters</i> , 2015 , 107, 201906	3.4	5
414	Interface Fe magnetic moment enhancement in MgO/Fe/MgO trilayers. <i>Applied Physics Letters</i> , 2015 , 107, 092404	3.4	13
413	Study of Ho-doped Bi ₂ Te ₃ topological insulator thin films. <i>Applied Physics Letters</i> , 2015 , 107, 182406	3.4	20
412	Massive Dirac Fermion Observed in Lanthanide-Doped Topological Insulator Thin Films. <i>Scientific Reports</i> , 2015 , 5, 15767	4.9	21
411	Self Referencing Heterodyne Transient Grating Spectroscopy with Short Wavelength. <i>Photonics</i> , 2015 , 2, 392-401	2.2	4
410	Giant thermal spin-torque-assisted magnetic tunnel junction switching. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 6585-90	11.5	52

409	Study of Dy-doped BiTe thin film growth and magnetic properties. <i>Journal of Physics Condensed Matter</i> , 2015 , 27, 245602	1.8	31
408	Extreme Ultraviolet Transient Grating Measurement of Insulator-Metal Transition Dynamics in VO ₂ . <i>Springer Proceedings in Physics</i> , 2015 , 64-67	0.2	
407	Improved metal-insulator-transition characteristics of ultrathin VO ₂ epitaxial films by optimized surface preparation of rutile TiO ₂ substrates. <i>Applied Physics Letters</i> , 2014 , 104, 081918	3.4	38
406	Study of Gd-doped Bi ₂ Te ₃ thin films: Molecular beam epitaxy growth and magnetic properties. <i>Journal of Applied Physics</i> , 2014 , 115, 023904	2.5	40
405	Chiral spin torque arising from proximity-induced magnetization. <i>Nature Communications</i> , 2014 , 5, 3910	17.4	178
404	Observation of edge transport in the disordered regime of topologically insulating InAs/GaSb quantum wells. <i>Physical Review Letters</i> , 2014 , 112, 026602	7.4	122
403	Distinct electronic structure of the electrolyte gate-induced conducting phase in vanadium dioxide revealed by high-energy photoelectron spectroscopy. <i>ACS Nano</i> , 2014 , 8, 5784-9	16.7	24
402	Control of domain wall pinning by switchable nanomagnet state. <i>Journal of Applied Physics</i> , 2014 , 115, 17D503	2.5	9
401	Subnanosecond incubation times for electric-field-induced metallization of a correlated electron oxide. <i>Nature Nanotechnology</i> , 2014 , 9, 453-8	28.7	66
400	GIANT MAGNETO-ELECTROLUMINESCENCE FROM HYBRID SPIN-ORGANIC LIGHT EMITTING DIODES. <i>Spin</i> , 2014 , 04, 1450002	1.3	4
399	Magnetic ordering in Cr-doped Bi ₂ Se ₃ thin films. <i>Europhysics Letters</i> , 2014 , 107, 57009	1.6	55
398	X-ray magnetic spectroscopy of MBE-grown Mn-doped Bi ₂ Se ₃ thin films. <i>AIP Advances</i> , 2014 , 4, 127136	1.5	37
397	Preparation of layered thin film samples for angle-resolved photoemission spectroscopy. <i>Applied Physics Letters</i> , 2014 , 105, 121608	3.4	23
396	Controlled removal of amorphous Se capping layer from a topological insulator. <i>Applied Physics Letters</i> , 2014 , 105, 241605	3.4	17
395	Robust sorting of chiral domain walls in a racetrack biperplexer. <i>Applied Physics Letters</i> , 2014 , 105, 222404	3.4	10
394	Extreme Ultraviolet Transient Grating Measurement of Insulator-Metal Transition Dynamics of VO ₂ 2014 ,		1
393	Properties of Ni/Co multilayers as a function of the number of multilayer repetitions. <i>Journal Physics D: Applied Physics</i> , 2013 , 46, 175001	3	27
392	Relationship between Gilbert damping and magneto-crystalline anisotropy in a Ti-buffered Co/Ni multilayer system. <i>Applied Physics Letters</i> , 2013 , 103, 022406	3.4	55

391	Domain wall trajectory determined by its fractional topological edge defects. <i>Nature Physics</i> , 2013 , 9, 505-511	16.2	98
390	Room-temperature magnetically modulated electroluminescence from hybrid organic/inorganic spintronics devices. <i>Applied Physics Letters</i> , 2013 , 103, 042411	3.4	16
389	Suppression of metal-insulator transition in VO ₂ by electric field-induced oxygen vacancy formation. <i>Science</i> , 2013 , 339, 1402-5	33.3	767
388	Spin-torque switching efficiency in CoFeB-MgO based tunnel junctions. <i>Physical Review B</i> , 2013 , 88,	3.3	88
387	Suppression of ionic liquid gate-induced metallization of SrTiO ₃ (001) by oxygen. <i>Nano Letters</i> , 2013 , 13, 4675-8	11.5	75
386	Ferromagnetic Resonance Study of Fe_3O_4 Thin Film. <i>IEEE Transactions on Magnetics</i> , 2013 , 49, 4311-4313	2	3
385	Electronic and crystalline structures of zero band-gap LuPdBi thin films grown epitaxially on MgO(100). <i>Applied Physics Letters</i> , 2013 , 102, 172401	3.4	10
384	Control of the metal-insulator transition in vanadium dioxide by modifying orbital occupancy. <i>Nature Physics</i> , 2013 , 9, 661-666	16.2	365
383	Enhanced interface perpendicular magnetic anisotropy in Ta CoFeB MgO using nitrogen doped Ta underlayers. <i>Applied Physics Letters</i> , 2013 , 102, 242405	3.4	101
382	Observation of the intrinsic Gilbert damping constant in Co/Ni multilayers independent of the stack number with perpendicular anisotropy. <i>Applied Physics Letters</i> , 2013 , 102, 102401	3.4	59
381	Magnetic Heusler Compounds. <i>Handbook of Magnetic Materials</i> , 2013 , 1-75	1.3	17
380	Chiral spin torque at magnetic domain walls. <i>Nature Nanotechnology</i> , 2013 , 8, 527-33	28.7	873
379	First-principles study of the structural stability of cubic, tetragonal and hexagonal phases in MnZ (Z=Ga, Sn and Ge) Heusler compounds. <i>Journal of Physics Condensed Matter</i> , 2013 , 25, 206006	1.8	50
378	Spin injection and detection in lanthanum- and niobium-doped SrTiO ₃ using the Hanle technique. <i>Nature Communications</i> , 2013 , 4, 2134	17.4	42
377	CoFe alloy as middle layer for strong spin dependent quantum well resonant tunneling in MgO double barrier magnetic tunnel junctions. <i>Physical Review B</i> , 2013 , 87,	3.3	26
376	Asymmetric magnetic disorder observed in thermally activated magnetization reversal of exchange-biased IrMn/CoFe films. <i>Journal of Magnetism and Magnetic Materials</i> , 2013 , 325, 13-16	2.8	7
375	Crystal-facet-dependent metallization in electrolyte-gated rutile TiO ₂ single crystals. <i>ACS Nano</i> , 2013 , 7, 8074-81	16.7	55
374	Strong dependence of the tetragonal Mn ₂ 1Ga thin film crystallization temperature window on seed layer. <i>Applied Physics Letters</i> , 2013 , 103, 032410	3.4	32

373	Loss of anisotropy in strained ultrathin epitaxial L10 Mn-Ga films. <i>Applied Physics Letters</i> , 2013 , 103, 162406	3.8	38
372	Magnetic properties of gadolinium substituted Bi ₂ Te ₃ thin films. <i>Applied Physics Letters</i> , 2013 , 102, 242412	3.12	29
371	Influence of growth and anneal conditions on the surface roughness of L10 Fe ₅₀ Pd _x Pt _{50-x} thin films. <i>Journal of Magnetism and Magnetic Materials</i> , 2012 , 324, 3154-3157	2.8	1
370	Design scheme of new tetragonal Heusler compounds for spin-transfer torque applications and its experimental realization. <i>Advanced Materials</i> , 2012 , 24, 6283-7	24	178
369	Reducing spin torque switching current density by boron insertion into a CoFeB free layer of a magnetic tunnel junction. <i>Applied Physics Letters</i> , 2012 , 100, 172407	3.4	8
368	The role of Mg interface layer in MgO magnetic tunnel junctions with CoFe and CoFeB electrodes. <i>AIP Advances</i> , 2012 , 2, 012150	1.5	21
367	Nonlocal spin transport in single-walled carbon nanotube networks. <i>Physical Review B</i> , 2012 , 85,	3.3	12
366	Tunneling magnetoresistance oscillations due to charging effects in MgO double barrier magnetic tunnel junctions. <i>Applied Physics Letters</i> , 2012 , 100, 012401	3.4	15
365	Topological repulsion between domain walls in magnetic nanowires leading to the formation of bound states. <i>Nature Communications</i> , 2012 , 3, 810	17.4	53
364	Current Induced Tilting of Domain Walls in High Velocity Motion along Perpendicularly Magnetized Micron-Sized Co/Ni/Co Racetracks. <i>Applied Physics Express</i> , 2012 , 5, 093006	2.4	84
363	Asymmetric stochasticity of magnetization reversal dynamics in exchange-biased IrMn/CoFe Film. <i>Journal of Applied Physics</i> , 2012 , 111, 07D731	2.5	4
362	Role of percolation in the conductance of electrolyte-gated SrTiO ₃ . <i>Physical Review Letters</i> , 2012 , 109, 196803	7.4	45
361	Substrate-induced disorder in V ₂ O ₃ thin films grown on annealed c-plane sapphire substrates. <i>Applied Physics Letters</i> , 2012 , 101, 051606	3.4	37
360	A p-type Heusler compound: Growth, structure, and properties of epitaxial thin NiYBi films on MgO(100). <i>Applied Physics Letters</i> , 2012 , 101, 212102	3.4	10
359	Signal propagation in dipole coupled nanomagnets for logic applications 2012 ,		2
358	Heusler Compounds—A Material Class With Exceptional Properties. <i>IEEE Transactions on Magnetics</i> , 2011 , 47, 367-373	2	127
357	Racetrack Memory: A high-performance, low-cost, non-volatile memory based on magnetic domain walls 2011 ,		38
356	Discrete domain wall positioning due to pinning in current driven motion along nanowires. <i>Nano Letters</i> , 2011 , 11, 96-100	11.5	38

355	Negative tunneling magnetoresistance by canted magnetization in MgO/NiO tunnel barriers. <i>Physical Review Letters</i> , 2011 , 106, 167201	7.4	25
354	Manganese diffusion in annealed magnetic tunnel junctions with MgO tunnel barriers. <i>Scripta Materialia</i> , 2011 , 64, 673-676	5.6	15
353	Simple rules for the understanding of Heusler compounds. <i>Progress in Solid State Chemistry</i> , 2011 , 39, 1-50	8	1341
352	Reduced stochasticity in domain wall motion with increasing pinning density in thin Fe films. <i>New Journal of Physics</i> , 2011 , 13, 083038	2.9	8
351	The spin on electronics. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2011 , 369, 3553-3553	3	1
350	Determination of layer-resolved composition, magnetization, and electronic structure of an Fe/MgO tunnel junction by standing-wave core and valence photoemission. <i>Physical Review B</i> , 2011 , 84,	3.3	31
349	Increased metal-insulator transition temperatures in epitaxial thin films of V2O3 prepared in reduced oxygen environments. <i>Applied Physics Letters</i> , 2011 , 98, 152105	3.4	33
348	Racetrack memory cell array with integrated magnetic tunnel junction readout 2011 ,		56
347	Effect of annealing and applied bias on barrier shape in CoFe/MgO/CoFe tunnel junctions. <i>Physical Review B</i> , 2011 , 83,	3.3	15
346	Coexistence of the Kondo effect and a ferromagnetic phase in magnetic tunnel junctions. <i>Physical Review B</i> , 2011 , 83,	3.3	17
345	Breakdown of Barkhausen critical-scaling behavior with increasing domain-wall pinning in ferromagnetic films. <i>Physical Review B</i> , 2011 , 83,	3.3	12
344	Extremely long quasiparticle spin lifetimes in superconducting aluminium using MgO tunnel spin injectors. <i>Nature Materials</i> , 2010 , 9, 586-93	27	82
343	Fabrication of Prototype Magnetic Coupled Spin-Torque Devices for Non-volatile Logic Applications. <i>Materials Research Society Symposia Proceedings</i> , 2010 , 1250, 1		
342	Dependence of field driven domain wall velocity on cross-sectional area in Ni65Fe20Co15 nanowires. <i>Applied Physics Letters</i> , 2010 , 97, 142506	3.4	23
341	Dynamics of magnetic domain walls under their own inertia. <i>Science</i> , 2010 , 330, 1810-3	33.3	175
340	Enhanced stochasticity of domain wall motion in magnetic racetracks due to dynamic pinning. <i>Nature Communications</i> , 2010 , 1, 25	17.4	62
339	Spintronics. <i>Annual Review of Condensed Matter Physics</i> , 2010 , 1, 71-88	19.7	394
338	Zero-Bias Anomaly in Magnetic Tunnel Junctions. <i>Acta Physica Polonica A</i> , 2010 , 118, 316-318	0.6	1

337	Thermal-magnetic noise measurement of spin-torque effects on ferromagnetic resonance in MgO-based magnetic tunnel junctions. <i>Applied Physics Letters</i> , 2009 , 95, 082506	3-4	15
336	Increased tunneling magnetoresistance using normally bcc CoFe alloy electrodes made amorphous without glass forming additives. <i>Physical Review Letters</i> , 2009 , 102, 247205	7-4	17
335	Enhanced tunneling spin polarization from ultrathin layers of amorphous CoFe. <i>Applied Physics Letters</i> , 2009 , 95, 122503	3-4	6
334	Role of the electronic structure on the relationship between the crystallinity of CoFe and its tunneling magnetoresistance. <i>Applied Physics Letters</i> , 2009 , 95, 012508	3-4	1
333	Generation of local magnetic fields at megahertz rates for the study of domain wall propagation in magnetic nanowires. <i>Applied Physics Letters</i> , 2009 , 95, 262503	3-4	2
332	Data in the fast lanes of racetrack memory. <i>Scientific American</i> , 2009 , 300, 76-81	0.5	22
331	Electric field induced magnetic anisotropy in a ferromagnet. <i>Physical Review Letters</i> , 2009 , 102, 217201	7-4	52
330	Racetrack memory: A storage class memory based on current controlled magnetic domain wall motion 2009 ,		13
329	TEM and Atom Probe Tomography Characterization of High TMR MgO-Based Magnetic Tunnel Junctions. <i>Microscopy and Microanalysis</i> , 2009 , 15, 278-279	0.5	
328	Probing vortex-core dynamics using current-induced resonant excitation of a trapped domain wall. <i>Nature Physics</i> , 2008 , 4, 368-372	16.2	98
327	Magnetic domain-wall racetrack memory. <i>Science</i> , 2008 , 320, 190-4	33-3	3235
326	Current-controlled magnetic domain-wall nanowire shift register. <i>Science</i> , 2008 , 320, 209-11	33-3	541
325	Crossover from Kondo-assisted suppression to co-tunneling enhancement of tunneling magnetoresistance via ferromagnetic nanodots in MgO tunnel barriers. <i>Nano Letters</i> , 2008 , 8, 340-4	11.5	55
324	MAGNETIC RACE-TRACK [A NOVEL STORAGE CLASS SPINTRONIC MEMORY. <i>International Journal of Modern Physics B</i> , 2008 , 22, 117-118	1.1	1
323	Metastable magnetism and memory effects in dilute magnetic semiconductors. <i>Journal of Physics Condensed Matter</i> , 2008 , 20, 285222	1.8	2
322	Real time observation of the field driven periodic transformation of domain walls in Permalloy nanowires at the Larmor frequency and its first harmonic. <i>Applied Physics Letters</i> , 2008 , 92, 112510	3-4	23
321	Perturbation of spin-valve nanowire reference layers during domain wall motion induced by nanosecond-long current pulses. <i>Applied Physics Letters</i> , 2008 , 92, 112504	3-4	7
320	Dynamics of domain wall depinning driven by a combination of direct and pulsed currents. <i>Applied Physics Letters</i> , 2008 , 92, 162503	3-4	30

319	Cryogenic current-in-plane tunneling apparatus. <i>Review of Scientific Instruments</i> , 2008 , 79, 123902	1.7	1
318	Determination of buried interface composition and magnetism profiles using standing-wave excited soft x-ray emission and inelastic scattering. <i>Journal of Applied Physics</i> , 2008 , 103, 083515	2.5	8
317	Direct observation of the coherent precession of magnetic domain walls propagating along permalloy nanowires. <i>Nature Physics</i> , 2007 , 3, 21-25	16.2	272
316	Temporal evolution of exchange bias in spin-valve nanowires on the nanosecond time scale. <i>Europhysics Letters</i> , 2007 , 78, 67006	1.6	5
315	Experimental investigation of the metastable magnetic properties of Cr-doped InN. <i>Physical Review B</i> , 2007 , 76,	3.3	18
314	Bias voltage dependence of tunneling anisotropic magnetoresistance in magnetic tunnel junctions with MgO and Al ₂ O ₃ tunnel barriers. <i>Physical Review Letters</i> , 2007 , 99, 226602	7.4	89
313	Optimized thickness of superconducting aluminum electrodes for measurement of spin polarization with MgO tunnel barriers. <i>Applied Physics Letters</i> , 2007 , 90, 202502	3.4	9
312	Sign of tunneling magnetoresistance in CrO ₂ -based magnetic tunnel junctions. <i>Applied Physics Letters</i> , 2007 , 91, 252506	3.4	25
311	Current driven domain wall velocities exceeding the spin angular momentum transfer rate in permalloy nanowires. <i>Physical Review Letters</i> , 2007 , 98, 037204	7.4	223
310	Resonant amplification of magnetic domain-wall motion by a train of current pulses. <i>Science</i> , 2007 , 315, 1553-6	33.3	130
309	Structural and magnetic properties of Cr and Mn doped InN. <i>Journal of Magnetism and Magnetic Materials</i> , 2006 , 300, 7-11	2.8	20
308	Structural and magnetic behavior of transition metal doped InN grown by molecular beam epitaxy. <i>Journal of Vacuum Science & Technology B</i> , 2006 , 24, 1644		9
307	Spin-Polarized Current in Spin Valves and Magnetic Tunnel Junctions. <i>MRS Bulletin</i> , 2006 , 31, 389-394	3.2	44
306	Temperature dependent magnetic properties of the GaAs substrate of spin-LEDs. <i>Journal of Physics Condensed Matter</i> , 2006 , 18, 4397-4406	1.8	18
305	Tunneling spin polarization measurements from ferromagnet/MgO tunnel junctions using NbN superconductor. <i>Applied Physics Letters</i> , 2006 , 88, 182501	3.4	9
304	Irreversible increase of the low-temperature paramagnetism in GaAs substrates. <i>Journal of Applied Physics</i> , 2006 , 99, 043902	2.5	6
303	Temperature dependence of current-induced magnetization switching in spin valves with a ferrimagnetic CoGd free layer. <i>Physical Review Letters</i> , 2006 , 97, 217202	7.4	69
302	Dilute magnetic semiconductors based on InN. <i>Phase Transitions</i> , 2006 , 79, 785-791	1.3	2

301	Influence of current on field-driven domain wall motion in permalloy nanowires from time resolved measurements of anisotropic magnetoresistance. <i>Physical Review Letters</i> , 2006 , 96, 197207	7.4	259
300	Dependence of current and field driven depinning of domain walls on their structure and chirality in permalloy nanowires. <i>Physical Review Letters</i> , 2006 , 97, 207205	7.4	314
299	High negative tunneling magnetoresistance in magnetic tunnel junctions with a ferrimagnetic CoFe ₂ O ₄ electrode and a CoFe interface layer. <i>Applied Physics Letters</i> , 2006 , 88, 112511	3.4	10
298	Relationship of tunnelling magnetoresistance and buried-layer densities of states as derived from standing-wave excited photoemission. <i>Journal of Physics Condensed Matter</i> , 2006 , 18, L259-L267	1.8	16
297	Magnetic properties of epitaxial CrN films. <i>Applied Physics Letters</i> , 2006 , 89, 112504	3.4	33
296	Development of the magnetic tunnel junction MRAM at IBM: From first junctions to a 16-Mb MRAM demonstrator chip. <i>IBM Journal of Research and Development</i> , 2006 , 50, 5-23	2.5	219
295	Highly efficient room-temperature tunnel spin injector using CoFe/MgO(001). <i>IBM Journal of Research and Development</i> , 2006 , 50, 111-120	2.5	7
294	1/f noise in magnetic tunnel junctions with MgO tunnel barriers. <i>Journal of Applied Physics</i> , 2006 , 99, 08A206	2.5	46
293	Oscillatory dependence of current-driven magnetic domain wall motion on current pulse length. <i>Nature</i> , 2006 , 443, 197-200	50.4	375
292	Highly spin-polarized room-temperature tunnel injector for semiconductor spintronics using MgO(100). <i>Physical Review Letters</i> , 2005 , 94, 056601	7.4	363
291	Observation of injection and pinning of domain walls in magnetic nanowires using photoemission electron microscopy. <i>Applied Physics Letters</i> , 2005 , 87, 262501	3.4	41
290	Mn- and Cr-Doped InN: A Promising Diluted Magnetic Semiconductor Material. <i>Journal of Superconductivity and Novel Magnetism</i> , 2005 , 18, 41-46		9
289	Finite tunneling spin polarization at the compensation point of rare-earth-metal-transition-metal alloys. <i>Physical Review Letters</i> , 2005 , 95, 047202	7.4	74
288	Growth and magnetism of Cr-doped InN. <i>Applied Physics Letters</i> , 2005 , 87, 172511	3.4	18
287	Structural characterization of base/collector interfaces for magnetic tunnel transistors grown on Si(001). <i>Journal of Applied Physics</i> , 2005 , 97, 104514	2.5	3
286	Temperature independence of the spin-injection efficiency of a MgO-based tunnel spin injector. <i>Applied Physics Letters</i> , 2005 , 87, 262503	3.4	77
285	The influence of nonmagnetic seed layers on the magnetotransport properties of magnetic tunnel transistors with a silicon collector. <i>Journal of Applied Physics</i> , 2005 , 97, 043712	2.5	5
284	Increase in spin injection efficiency of a CoFe/MgO(100) tunnel spin injector with thermal annealing. <i>Applied Physics Letters</i> , 2005 , 86, 052901	3.4	58

283	Role of Tunneling Matrix Elements in Determining the Magnitude of the Tunneling Spin Polarization of 3d Transition Metal Ferromagnetic Alloys. <i>Physical Review Letters</i> , 2005 , 94,	7.4	42
282	Current-driven excitations in magnetic multilayer nanopillars from 4.2 K to 300 K. <i>Physical Review B</i> , 2004 , 69,	3.3	28
281	Tunable magnetization damping in transition metal ternary alloys. <i>Applied Physics Letters</i> , 2004 , 85, 4995-4997	3.4	29
280	Response to Comment on Giant magnetocurrent exceeding 3400% in magnetic tunnel transistors with spin-valve base layers [Appl. Phys. Lett. 84, 4337 (2004)]. <i>Applied Physics Letters</i> , 2004 , 84, 4339-4340	2.4	2
279	Spin polarization in ferromagnet/insulator/superconductor structures with the superconductor on top of the barrier. <i>Applied Physics Letters</i> , 2004 , 84, 3582-3584	3.4	10
278	Bias voltage dependence of magnetocurrent in magnetic tunnel transistors. <i>Physical Review B</i> , 2004 , 69,	3.3	17
277	Giant tunnelling magnetoresistance at room temperature with MgO (100) tunnel barriers. <i>Nature Materials</i> , 2004 , 3, 862-7	27	2462
276	Current-driven excitations in symmetric magnetic nanopillars. <i>Physical Review Letters</i> , 2004 , 93, 036602	7.4	31
275	Magnetic tunnel junctions—Principles and applications. <i>Vacuum</i> , 2004 , 74, 705-709	3.7	16
274	Experimental test of macroscopic models for exchange anisotropy in FM/AF bilayers. <i>Journal of Magnetism and Magnetic Materials</i> , 2004 , 272-276, 321-322	2.8	
273	Magnetic domain wall motion triggered by an electric current. <i>Applied Physics Letters</i> , 2003 , 83, 2617-2619	3.4	194
272	Magnetically engineered spintronic sensors and memory. <i>Proceedings of the IEEE</i> , 2003 , 91, 661-680	14.3	459
271	Magnetic tunnel junctions with ZnSe barriers. <i>Applied Physics Letters</i> , 2003 , 83, 5244-5246	3.4	31
270	Optical detection of hot-electron spin injection into GaAs from a magnetic tunnel transistor source. <i>Physical Review Letters</i> , 2003 , 90, 256603	7.4	87
269	Exchange anisotropy and spin-wave damping in CoFe/IrMn bilayers. <i>Journal of Applied Physics</i> , 2003 , 93, 7717-7719	2.5	21
268	Nonmonotonic bias voltage dependence of the magnetocurrent in GaAs-based magnetic tunnel transistors. <i>Physical Review Letters</i> , 2003 , 90, 197203	7.4	34
267	Spin polarization and magnetotransport of MnBb alloys in magnetic tunnel junctions. <i>Applied Physics Letters</i> , 2003 , 83, 1812-1814	3.4	8
266	Comparison of magnetocurrent and transfer ratio in magnetic tunnel transistors with spin-valve bases containing Cu and Au spacer layers. <i>Applied Physics Letters</i> , 2003 , 82, 775-777	3.4	28

265	Giant magnetocurrent exceeding 3400% in magnetic tunnel transistors with spin-valve base layers. <i>Applied Physics Letters</i> , 2003 , 83, 951-953	3.4	67
264	Memories of tomorrow. <i>IEEE Circuits and Devices: the Magazine of Electronic and Photonic Systems</i> , 2002 , 18, 17-27		56
263	Thickness-dependent magnetic properties of Ni ₈₁ Fe ₁₉ , Co ₉₀ Fe ₁₀ and Ni ₆₅ Fe ₁₅ Co ₂₀ thin films. <i>Journal of Magnetism and Magnetic Materials</i> , 2002 , 251, 202-206	2.8	48
262	Three-layer model for exchange anisotropy. <i>Physical Review B</i> , 2002 , 66,	3.3	4
261	Spin-dependent hot electron transport in Ni ₈₁ Fe ₁₉ and Co ₈₄ Fe ₁₆ films on GaAs(001). <i>Physical Review B</i> , 2002 , 66,	3.3	75
260	Room temperature operation of a high output current magnetic tunnel transistor. <i>Applied Physics Letters</i> , 2002 , 80, 3364-3366	3.4	97
259	Observation of change in the oxidation state at ferromagnet/insulator interface upon thermal annealing. <i>Europhysics Letters</i> , 2001 , 55, 439-444	1.6	15
258	Perpendicular magnetic anisotropy in ultrathin yttrium iron garnet films prepared by pulsed laser deposition technique. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2001 , 19, 2567-2570	2.9	43
257	Thermal activation-induced sweep-rate dependence of magnetic switching astroid. <i>Applied Physics Letters</i> , 2001 , 78, 4004-4006	3.4	24
256	Determination of the thickness of Al oxide films used as barriers in magnetic tunneling junctions. <i>Applied Physics Letters</i> , 2001 , 78, 3103-3105	3.4	36
255	Off-axis electron holography of exchange-biased CoFe/FeMn patterned nanostructures. <i>Journal of Applied Physics</i> , 2001 , 90, 2899-2902	2.5	19
254	Field cooling induced changes in the antiferromagnetic structure of NiO films. <i>Physical Review Letters</i> , 2001 , 86, 5389-92	7.4	86
253	Analysis of tunneling magnetoresistance test structures by low energy electron nanoscale-luminescence spectroscopy. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2001 , 19, 1199-1202	2.9	1
252	Study of magnetic tunnel junction read sensors. <i>IEEE Transactions on Magnetics</i> , 2001 , 37, 1691-1694	2	16
251	Perpendicular exchange bias of Co/Pt multilayers. <i>Physical Review Letters</i> , 2001 , 87, 087202	7.4	245
250	Domain wall resistivity in epitaxial thin film microstructures. <i>Journal of Physics Condensed Matter</i> , 2001 , 13, R461-R488	1.8	112
249	Interface Stability in Hybrid Transition Metal-Oxide Magnetic Junctions. <i>Materials Research Society Symposia Proceedings</i> , 2000 , 623, 51		1
248	Off-axis electron holography of patterned magnetic nanostructures. <i>Journal of Microscopy</i> , 2000 , 200, 187-205	1.9	58

247	Electron tunneling and noise studies in ferromagnetic junctions. <i>Thin Solid Films</i> , 2000 , 377-378, 699-704	2.2	12
246	Magnetotransport and magnetic properties of molecular-beam epitaxy L10 FePt thin films. <i>Journal of Applied Physics</i> , 2000 , 87, 6854-6856	2.5	45
245	Micromagnetism and high temperature coercivity of MnBi/Al multilayers. <i>Journal of Applied Physics</i> , 2000 , 88, 4221	2.5	20
244	Temporal evolution of spin-polarization in ferromagnetic tunnel junctions. <i>Applied Physics Letters</i> , 2000 , 77, 883-885	3.4	24
243	Oscillatory decay of magnetization induced by domain-wall stray fields. <i>Physical Review Letters</i> , 2000 , 84, 3462-5	7.4	33
242	Interface stability in hybrid metal-oxide magnetic trilayer junctions. <i>Physical Review B</i> , 2000 , 61, 11244-11247	3.4	24
241	Thermal stability of IrMn and MnFe exchange-biased magnetic tunnel junctions. <i>Applied Physics Letters</i> , 2000 , 76, 3097-3099	3.4	56
240	Domain-wall induced coupling between ferromagnetic layers. <i>Physical Review Letters</i> , 2000 , 84, 1816-9	7.4	80
239	Magnetization reversal and interlayer coupling in magnetic tunneling junctions. <i>Journal of Applied Physics</i> , 2000 , 87, 4682-4684	2.5	35
238	Non-Brange-peel coupling in magnetic tunneling junction devices. <i>Applied Physics Letters</i> , 2000 , 77, 2373-2375	3.4	129
237	On the exchange biasing through a nonmagnetic spacer layer. <i>Journal of Applied Physics</i> , 2000 , 87, 5061-5063	2.5	73
236	Micromagnetics of submicron (110) Fe elements. <i>Applied Physics Letters</i> , 2000 , 76, 766-768	3.4	28
235	Exchange biasing in polycrystalline thin film microstructures. <i>Journal of Applied Physics</i> , 2000 , 87, 5049-5051	2.5	54
234	Thermally assisted magnetization reversal in submicron-sized magnetic thin films. <i>Physical Review Letters</i> , 2000 , 84, 5419-22	7.4	123
233	Low-frequency magnetic noise in micron-scale magnetic tunnel junctions. <i>Physical Review Letters</i> , 2000 , 85, 3289-92	7.4	121
232	Two-dimensional magnetic switching of micron-size films in magnetic tunnel junctions. <i>Applied Physics Letters</i> , 2000 , 76, 622-624	3.4	54
231	Spin polarization of tunneling current from ferromagnet/Al ₂ O ₃ interfaces using copper-doped aluminum superconducting films. <i>Applied Physics Letters</i> , 2000 , 77, 720-722	3.4	183
230	Exchange-biased magnetic tunnel junctions: Dependence of offset field on junction width. <i>Applied Physics Letters</i> , 1999 , 74, 3690-3692	3.4	33

229	Magnetic tunnel junctions thermally stable to above 300 °C. <i>Applied Physics Letters</i> , 1999 , 75, 543-545	3.4	46
228	Electrical noise in hysteretic ferromagnetic/insulator/ferromagnetic tunnel junctions. <i>Applied Physics Letters</i> , 1999 , 74, 600-602	3.4	105
227	Oscillatory Exchange Coupling across Cr(100)/Vx Alloy Spacers. <i>Physical Review Letters</i> , 1999 , 83, 215-218	7.4	11
226	Electronic noise in magnetic tunnel junctions. <i>Journal of Applied Physics</i> , 1999 , 85, 5270-5272	2.5	26
225	Magnetoresistance, micromagnetism, and domain-wall scattering in epitaxial hcp Co films. <i>Physical Review B</i> , 1999 , 59, 11914-11918	3.3	88
224	Magnetoresistance, micromagnetism, and domain wall effects in epitaxial Fe and Co structures with stripe domains (invited). <i>Journal of Applied Physics</i> , 1999 , 85, 5243-5248	2.5	59
223	Magnetoresistance of epitaxial Fe wires with varied domain wall structure. <i>Journal of Magnetism and Magnetic Materials</i> , 1999 , 198-199, 261-263	2.8	13
222	Research frontiers in magnetic materials at soft X-ray synchrotron radiation facilities. <i>Journal of Magnetism and Magnetic Materials</i> , 1999 , 207, 7-44	2.8	177
221	Observation of magnetic switching in submicron magnetic-tunnel junctions at low frequency. <i>Journal of Applied Physics</i> , 1999 , 85, 5267-5269	2.5	23
220	Minimum field strength in precessional magnetization reversal. <i>Science</i> , 1999 , 285, 864-7	33.3	250
219	Micromagnetics of mesoscopic epitaxial (110) Fe elements with nanoshaped ends. <i>Journal of Applied Physics</i> , 1999 , 85, 5501-5503	2.5	52
218	Origin of magnetization decay in spin-dependent tunnel junctions. <i>Science</i> , 1999 , 286, 1337-40	33.3	50
217	Biquadratic coupling in sputtered Fe/Cr/Fe still in need of a new mechanism. <i>Journal of Applied Physics</i> , 1999 , 85, 5892-5894	2.5	22
216	Micromagnetism and magnetization reversal of micron-scale (110) Fe thin-film magnetic elements. <i>Physical Review B</i> , 1999 , 60, 7352-7358	3.3	37
215	Microstructural and micromagnetic characterization of thin film magnetic tunnel junctions. <i>Journal of Applied Physics</i> , 1999 , 85, 4815-4817	2.5	14
214	Exchange-biased magnetic tunnel junctions and application to nonvolatile magnetic random access memory (invited). <i>Journal of Applied Physics</i> , 1999 , 85, 5828-5833	2.5	978
213	Biquadratic coupling dependence on spacer layer thickness for Fe/Cr/Fe. <i>Journal of Magnetism and Magnetic Materials</i> , 1998 , 177-181, 1177-1178	2.8	8
212	Brillouin light scattering and ferromagnetic resonance in trilayers with bilinear and biquadratic exchange coupling. <i>Journal of Magnetism and Magnetic Materials</i> , 1998 , 177-181, 1213-1215	2.8	5

211	Structural and magnetic phases of Fe in Fe/Ni(001) and Fe/Ni ₈₁ Fe ₁₉ (001) multilayers. <i>Journal of Magnetism and Magnetic Materials</i> , 1998 , 184, 127-136	2.8	23
210	Towards quantitative electron holography of magnetic thin films using in situ magnetization reversal. <i>Ultramicroscopy</i> , 1998 , 74, 61-73	3.1	85
209	Negative Domain Wall Contribution to the Resistivity of Microfabricated Fe Wires. <i>Physical Review Letters</i> , 1998 , 80, 5639-5642	7.4	209
208	Magnetoresistance due to domain walls in micron scale Fe wires with stripe domains. <i>IEEE Transactions on Magnetics</i> , 1998 , 34, 900-902	2	26
207	Magnetotransport in doped manganate perovskites. <i>IBM Journal of Research and Development</i> , 1998 , 42, 89-102	2.5	26
206	Noise properties of ferromagnetic tunnel junctions. <i>Journal of Applied Physics</i> , 1998 , 84, 6195-6201	2.5	56
205	Studies of coupled metallic magnetic thin-film trilayers. <i>Journal of Applied Physics</i> , 1998 , 84, 958-972	2.5	91
204	The magnetic stability of spin-dependent tunneling devices. <i>Science</i> , 1998 , 281, 797-9	33.3	114
203	Seeded epitaxy of Co ₉₀ Fe ₁₀ /Cu multilayers on MgO(001): Influence of Fe seed layer thickness. <i>Journal of Applied Physics</i> , 1998 , 83, 4709-4713	2.5	17
202	Magnetoresistance due to domain walls in an epitaxial microfabricated Fe wire. <i>Applied Physics Letters</i> , 1998 , 73, 1298-1300	3.4	34
201	Temperature and bias dependence of magnetoresistance in doped manganite thin film trilayer junctions. <i>Applied Physics Letters</i> , 1998 , 73, 1008-1010	3.4	69
200	Magnetization Reversal in Micron-Sized Magnetic Thin Films. <i>Physical Review Letters</i> , 1998 , 81, 4512-4515	5.4	186
199	Bias voltage and temperature dependence of magnetotunneling effect. <i>Journal of Applied Physics</i> , 1998 , 83, 6515-6517	2.5	73
198	Magnetic trilayers with bilinear and biquadratic exchange couplings: Criteria for the measurement of J ₁ and J ₂ . <i>Physical Review B</i> , 1998 , 58, 101-104	3.3	23
197	The magic of magnetic multilayers. <i>IBM Journal of Research and Development</i> , 1998 , 42, 3-6	2.5	37
196	Fe structural and magnetic phases in Fe/Ni ₈₁ Fe ₁₉ (001) multilayers. <i>Europhysics Letters</i> , 1997 , 37, 465-470	4.0	7
195	Growth mode and asymptotic smoothing of sputtered Fe/Au multilayers studied by x-ray diffuse scattering. <i>Physical Review B</i> , 1997 , 56, 13442-13454	3.3	25
194	Strong biquadratic coupling and antiferromagnetic-ferromagnetic crossover in NiFe/Cu multilayers. <i>Physical Review B</i> , 1997 , 56, 7819-7822	3.3	24

193	Growth and structural characterization of highly oriented sputter-deposited (111), (110), and (100) Co/Cu superlattices. <i>Applied Physics Letters</i> , 1997 , 71, 1480-1482	3.4	9
192	Brillouin light scattering and ferromagnetic resonance in sputtered NiFe/Cu/NiFe thin films. <i>Journal of Applied Physics</i> , 1997 , 81, 4770-4772	2.5	4
191	Magnetoresistance and magnetic properties of Co/Ir multilayers on MgO(110) substrates. <i>Journal of Applied Physics</i> , 1997 , 81, 5197-5199	2.5	16
190	MnxPt1-x: A new exchange bias material for Permalloy. <i>Journal of Applied Physics</i> , 1997 , 81, 4986-4988	2.5	90
189	Shape-anisotropy-controlled magnetoresistive response in magnetic tunnel junctions. <i>Applied Physics Letters</i> , 1997 , 70, 2610-2612	3.4	114
188	Biquadratic exchange coupling in sputtered Fe/Cr/Fe(100) sandwich structures. <i>Journal of Applied Physics</i> , 1997 , 81, 3791-3793	2.5	7
187	Quenching of Magnetoresistance by Hot Electrons in Magnetic Tunnel Junctions. <i>Physical Review Letters</i> , 1997 , 79, 3744-3747	7.4	465
186	Nucleation, growth and magnetic properties of epitaxial FeAl films on AlAs/GaAs. <i>Surface Science</i> , 1997 , 380, 75-82	1.8	3
185	Microstructured magnetic tunnel junctions (invited). <i>Journal of Applied Physics</i> , 1997 , 81, 3741-3746	2.5	417
184	X-ray magnetic circular dichroism study of the induced spin polarization of Cu in Co/Cu and Fe/Cu multilayers. <i>Zeitschrift für Physik B-Condensed Matter</i> , 1997 , 100, 335-341		14
183	Magnetic tunnel junctions fabricated at tenth-micron dimensions by electron beam lithography. <i>Microelectronic Engineering</i> , 1997 , 35, 249-252	2.5	58
182	Field-dependent thermoelectric power and thermal conductivity in multilayered and granular giant magnetoresistive systems. <i>Physical Review B</i> , 1996 , 54, 15273-15283	3.3	61
181	Flexible giant magnetoresistance sensors. <i>Applied Physics Letters</i> , 1996 , 69, 3092-3094	3.4	57
180	Evolution of Interfacial Roughness Correlations of Fe Au Films Grown on MgO(001) Substrates. <i>Materials Research Society Symposia Proceedings</i> , 1996 , 440, 359		
179	Influence of Chemical Composition on the Epitaxy and Interfacial Quality of Fe/Au and Fe/Ag Multilayers. <i>Materials Research Society Symposia Proceedings</i> , 1996 , 440, 365		1
178	Interfacial roughness of partially correlated metallic multilayers studied by non-specular X-ray reflectivity. <i>Physica B: Condensed Matter</i> , 1996 , 221, 10-12	2.8	4
177	Epitaxial growth of metals by sputter deposition. <i>Thin Solid Films</i> , 1996 , 288, 315-324	2.2	27
176	Applications of Electron Microscopy in Collaborative Industrial Research. <i>MRS Bulletin</i> , 1996 , 21, 17-23	3.2	5

175	Determination of the electronic density of states near buried interfaces: Application to Co/Cu multilayers. <i>Physical Review B</i> , 1996 , 54, 2917-2921	3.3	25
174	Does magnetization in thin-film manganates suggest the existence of magnetic clusters?. <i>Applied Physics Letters</i> , 1996 , 69, 1002-1004	3.4	54
173	Resistance noise in uncoupled giant magnetoresistive multilayers. <i>Journal of Applied Physics</i> , 1996 , 79, 7751-7756	2.5	15
172	Low field giant magnetoresistance in sputtered permalloy/Au multilayers. <i>Applied Physics Letters</i> , 1996 , 68, 1162-1164	3.4	24
171	L-edge x-ray absorption in fcc and bcc Cu metal: Comparison of experimental and first-principles theoretical results. <i>Physical Review B</i> , 1996 , 53, 16067-16073	3.3	58
170	Investigation of magnetic coupling in sputtered epitaxial Fe/Cr and Co/Cu wedged structures. <i>Journal of Applied Physics</i> , 1996 , 79, 4980	2.5	9
169	Biquadratic exchange coupling in sputtered (100) Fe/Cr/Fe. <i>Physical Review Letters</i> , 1996 , 76, 4837-4840	7.4	65
168	Quenching of giant magnetoresistance by interface roughening and alloying in annealed [(NixFe1-x)yAu1-y]/Au multilayers. <i>Applied Physics Letters</i> , 1996 , 69, 1963-1965	3.4	10
167	Magnetic superlattices: molecular beam epitaxial growth and properties of artificially and naturally-layered structures. <i>Journal of Crystal Growth</i> , 1995 , 150, 1126-1131	1.6	4
166	Hysteresis and domains in magnetic multilayers. <i>Journal of Magnetism and Magnetic Materials</i> , 1995 , 148, 244-246	2.8	9
165	History dependent domain structures in giant-magnetoresistive multilayers. <i>Applied Physics Letters</i> , 1995 , 67, 1938-1940	3.4	17
164	Induced Rh magnetic moments in Fe-Rh and Co-Rh alloys using x-ray magnetic circular dichroism. <i>Physical Review B</i> , 1995 , 51, 12037-12040	3.3	45
163	Experimental determination of the magnetic phase diagram of Gd/Fe multilayers. <i>Physical Review B</i> , 1995 , 52, 16041-16048	3.3	58
162	X-ray diffuse-scattering study of interfacial morphology and conformal roughness in metallic multilayers. <i>Physical Review B</i> , 1995 , 52, 17052-17055	3.3	23
161	Theory of Oscillatory Exchange Coupling in Fe/(V,Cr) and Fe/(Cr,Mn). <i>Physical Review Letters</i> , 1995 , 74, 4063-4066	7.4	47
160	X-ray magnetic-circular-dichroism study of Fe/V multilayers. <i>Physical Review B</i> , 1995 , 51, 3293-3296	3.3	51
159	MBE Growth of Artificially-Layered Magnetic Metal Structures 1995 , 623-668		
158	Giant Magnetoresistance in Magnetic Nanostructures. <i>Annual Review of Materials Research</i> , 1995 , 25, 357-388		163

157	Transport and magnetic properties of in situ grown thin-film $\text{La}_{0.7}\text{Ca}_{0.3}\text{MnO}_3$. <i>Applied Physics Letters</i> , 1995 , 67, 2726-2728	3.4	41
156	Electron microscope observations of the magnetic structures in magnetoresistive multilayer films. <i>Journal Physics D: Applied Physics</i> , 1994 , 27, 881-891	3	20
155	Oscillations of interlayer exchange coupling and giant magnetoresistance in (111) oriented permalloy/Au multilayers. <i>Physical Review Letters</i> , 1994 , 72, 3718-3721	7.4	58
154	Seeded epitaxy of metals by sputter deposition. <i>Applied Physics Letters</i> , 1994 , 65, 3063-3065	3.4	33
153	Induced spin polarization in Cu spacer layers in Co/Cu multilayers. <i>Physical Review Letters</i> , 1994 , 72, 1112-1115	7.1	193
152	Giant magnetoresistance at low fields in $[(\text{Ni}_x\text{Fe}_{1-x})_y\text{Ag}_{1-y}]/\text{Ag}$ multilayers prepared by molecular-beam epitaxy. <i>Journal of Applied Physics</i> , 1994 , 76, 3688-3694	2.5	20
151	Fe/Cr multilayers: Effect of annealing on the spin structure and magnetoresistance. <i>Journal of Applied Physics</i> , 1994 , 75, 3564-3570	2.5	22
150	Giant magnetoresistance and microstructural characteristics of epitaxial Fe-Ag and Co-Ag granular thin films. <i>Journal of Applied Physics</i> , 1994 , 75, 6900-6902	2.5	12
149	1/f noise in giant magnetoresistive materials. <i>Journal of Applied Physics</i> , 1994 , 75, 6531-6533	2.5	17
148	Experimental investigation of dichroism sum rules for V, Cr, Mn, Fe, Co, and Ni: Influence of diffuse magnetism. <i>Journal of Applied Physics</i> , 1994 , 76, 6462-6464	2.5	59
147	TEM investigation of the magnetisation processes in exchange coupled multilayer films. <i>Journal of Magnetism and Magnetic Materials</i> , 1994 , 138, 344-354	2.8	18
146	Microstructural characterization of Co/Cu multilayers. <i>Journal of Magnetism and Magnetic Materials</i> , 1994 , 129, 415-422	2.8	17
145	Giant magnetoresistance in magnetic multilayers and granular alloys. <i>Materials Letters</i> , 1994 , 20, 1-4	3.3	5
144	Determination of the Structure of $[\text{Os}(\eta^2\text{-H}_2\text{en})_2\text{CH}_3\text{CO}_2]\text{PF}_6$ by X-ray and Neutron Diffraction. <i>Journal of the American Chemical Society</i> , 1994 , 116, 4352-4356	16.4	69
143	High resolution imaging of magnetic multilayers. <i>Scripta Metallurgica Et Materialia</i> , 1994 , 30, 689-694		6
142	Dependence of giant magnetoresistance on grain size in Co/Cu multilayers. <i>Physical Review B</i> , 1994 , 50, 4232-4235	3.3	32
141	Magnetothermopower of Co/Cu -Ni_x multilayers. <i>Journal of Applied Physics</i> , 1994 , 75, 6455-6457	2.5	7
140	Observation of x-ray magnetic circular dichroism at the Rh $M_{2,3}$ edge in Co-Rh alloys. <i>Journal of Applied Physics</i> , 1994 , 76, 6471-6473	2.5	10

139	Investigation of the magnetic structures in giant magnetoresistive multilayer films by electron microscopy. <i>Journal of Applied Physics</i> , 1994 , 76, 6613-6615	2.5	11
138	Giant magnetoresistance and Co-cluster structure in phase-separated Co-Cu granular alloys. <i>Physical Review B</i> , 1993 , 48, 16810-16813	3.3	76
137	. <i>IEEE Transactions on Magnetics</i> , 1993 , 29, 2738-2740	2	22
136	Origin of enhanced magnetoresistance of magnetic multilayers: Spin-dependent scattering from magnetic interface states. <i>Physical Review Letters</i> , 1993 , 71, 1641-1644	7.4	338
135	Influence of crystal structure on the magnetoresistance of Co/Cu multilayers. <i>Applied Physics Letters</i> , 1993 , 63, 108-110	3.4	29
134	Dependence of giant magnetoresistance on Cu-layer thickness in Co/Cu multilayers: A simple dilution effect. <i>Physical Review B</i> , 1993 , 47, 9136-9139	3.3	42
133	DETERMINATION OF SPIN STRUCTURES OF MAGNETIC MULTILAYERS BY POLARIZED NEUTRON REFLECTOMETRY. <i>International Journal of Modern Physics B</i> , 1993 , 07, 438-445	1.1	1
132	Giant Magnetoresistance in As-Grown Epitaxial Films of Phase-Separated Co-Cu and Co-Ag. <i>Europhysics Letters</i> , 1993 , 22, 455-462	1.6	54
131	Oscillatory Exchange Coupling and Giant Magnetoresistance via Cu-X Alloys (X = Au, Fe, Ni). <i>Europhysics Letters</i> , 1993 , 24, 71-76	1.6	50
130	Fluctuation-dissipation relation for giant magnetoresistive 1/f noise. <i>Physical Review B</i> , 1993 , 48, 16156-16159	3.6	89
129	Magnetothermopower of Co/Cu multilayers. <i>Journal of Applied Physics</i> , 1993 , 73, 5524-5526	2.5	28
128	Influence of deposition temperature on giant magnetoresistance of Fe/Cr multilayers. <i>Applied Physics Letters</i> , 1993 , 62, 1842-1844	3.4	30
127	Growth temperature dependence of magnetoresistance in Co/Cu(111) wedged superlattices. <i>Physical Review B</i> , 1993 , 47, 8721-8733	3.3	52
126	Observation of spin structure related positive magnetoresistance in antiferromagnetically coupled magnetic multilayers. <i>Applied Physics Letters</i> , 1993 , 63, 1987-1989	3.4	11
125	Direct observation of oscillatory interlayer exchange coupling in sputtered wedges using circularly polarized x rays. <i>Applied Physics Letters</i> , 1993 , 63, 263-265	3.4	14
124	Growth Temperature Dependence of Magnetoresistance in Co/Cu(111) Wedged Superlattices. <i>Materials Research Society Symposia Proceedings</i> , 1993 , 313, 41		4
123	Epitaxial growth of Pt on basal-plane sapphire: a seed film for artificially layered magnetic metal structures. <i>Journal of Crystal Growth</i> , 1993 , 133, 47-58	1.6	82
122	MBE growth of artificially-layered magnetic-metal structures on semiconductors and insulators. <i>Materials Science and Engineering Reports</i> , 1993 , 11, 155-189	30.9	25

121	Giant magnetoresistance and magnetothermopower in Co/Cu multilayers. <i>Journal of Magnetism and Magnetic Materials</i> , 1993 , 125, L251-L256	2.8	53
120	Spin structures of Fe/Gd and Fe/Cr multilayers determined by polarized neutron reflectometry. <i>Journal of Magnetism and Magnetic Materials</i> , 1993 , 121, 173-176	2.8	17
119	Distribution of magnetic moments in Co/Pt and Co/Pt/Ir/Pt multilayers detected by magnetic x-ray absorption. <i>Journal of Magnetism and Magnetic Materials</i> , 1993 , 121, 234-237	2.8	13
118	Giant Magnetoresistance in Transition Metal Multilayers. <i>NATO ASI Series Series B: Physics</i> , 1993 , 113-128		3
117	Giant Magnetoresistance in Antiferromagnetic Co/Cu Multilayers Grown on Kapton. <i>Japanese Journal of Applied Physics</i> , 1992 , 31, L1246-L1249	1.4	30
116	Dramatic enhancement of interlayer exchange coupling and giant magnetoresistance in Ni ₈₁ Fe ₁₉ /Cu multilayers by addition of thin Co interface layers. <i>Applied Physics Letters</i> , 1992 , 61, 1358-1360	3.4	152
115	Giant magnetoresistance and enhanced antiferromagnetic coupling in highly oriented Co/Cu (111) superlattices. <i>Physical Review B</i> , 1992 , 46, 9262-9265	3.3	94
114	Magneto-optical properties of CrO ₂ . <i>Physical Review B</i> , 1992 , 46, 13889-13895	3.3	47
113	Oscillatory interlayer exchange coupling of Co/Ru multilayers investigated by Brillouin light scattering. <i>Physical Review B</i> , 1992 , 46, 5810-5813	3.3	35
112	. <i>IEEE Transactions on Magnetics</i> , 1992 , 28, 3231-3233	2	2
111	Magnetic properties and microstructure in (Fe,Co)/Pt multilayer films 1992 , 1663, 257		2
110	Optical and magneto-optical characterization of evaporated Co/Pt alloys and multilayers. <i>IEEE Transactions on Magnetics</i> , 1992 , 28, 2967-2969	2	47
109	Transmission electron microscopy observations of magnetic multilayers. <i>Ultramicroscopy</i> , 1992 , 47, 375-382	3.82	12
108	Oscillations in giant magnetoresistance and antiferromagnetic coupling in [Ni ₈₁ Fe ₁₉ /Cu]N multilayers. <i>Applied Physics Letters</i> , 1992 , 60, 512-514	3.4	199
107	Dependence of the giant magnetoresistance in Co/Cu multilayers on layer thickness. <i>Journal of Magnetism and Magnetic Materials</i> , 1992 , 114, 252-254	2.8	9
106	Heteroepitaxy Via Seed Films: Application to Magnetic Metal Superlattices*. <i>Materials Research Society Symposia Proceedings</i> , 1991 , 221, 15		7
105	Substrate-Deposition-Temperature Dependence of Perpendicular Magnetic Anisotropy in (Fe/Pt) Compositionally-Modulated Films. <i>Materials Research Society Symposia Proceedings</i> , 1991 , 232, 85		4
104	Giant magnetoresistance in antiferromagnetic Co/Cu multilayers. <i>Applied Physics Letters</i> , 1991 , 58, 2710-2712	3.712	534

103	Antiferromagnetic and ferromagnetic order in Co/Ru multilayers. <i>Journal of Magnetism and Magnetic Materials</i> , 1991 , 99, L31-L38	2.8	41
102	Spin-valve effect in soft ferromagnetic sandwiches. <i>Journal of Magnetism and Magnetic Materials</i> , 1991 , 93, 101-104	2.8	153
101	Pt layer thickness dependence of magnetic properties in Co/Pt multilayers. <i>Journal of Applied Physics</i> , 1991 , 69, 5649-5651	2.5	61
100	Antiperovskite Structure with Ternary Tetrathiafulvalenium Salts: Construction, Distortion, and Antiferromagnetic Ordering. <i>Angewandte Chemie International Edition in English</i> , 1991 , 30, 1498-1500		43
99	Antiferromagnetic interlayer exchange coupling in sputtered Fe/Cr multilayers: Dependence on number of Fe layers. <i>Applied Physics Letters</i> , 1991 , 58, 1473-1475	3.4	71
98	Spin engineering: Direct determination of the Ruderman-Kittel-Kasuya-Yosida far-field range function in ruthenium. <i>Physical Review B</i> , 1991 , 44, 7131-7134	3.3	180
97	Systematic variation of the strength and oscillation period of indirect magnetic exchange coupling through the 3d, 4d, and 5d transition metals. <i>Physical Review Letters</i> , 1991 , 67, 3598-3601	7.4	920
96	Oscillatory magnetic exchange coupling through thin copper layers. <i>Physical Review Letters</i> , 1991 , 66, 2152-2155	7.4	1199
95	Synchrotron x-ray diffraction studies of the lattice and magnetic structure of epitaxial Dy films in LaF3/Dy/LaF3 sandwiches. <i>Journal of Applied Physics</i> , 1991 , 70, 4465-4468	2.5	6
94	Synchrotron x-ray diffraction studies of the lattice and magnetic structure of epitaxial Dy films in LaF3/Dy/LaF3 sandwiches (abstract). <i>Journal of Applied Physics</i> , 1991 , 69, 5319-5319	2.5	
93	Magnetotransport properties of magnetically soft spin-valve structures (invited). <i>Journal of Applied Physics</i> , 1991 , 69, 4774-4779	2.5	491
92	Giant magnetoresistive in soft ferromagnetic multilayers. <i>Physical Review B</i> , 1991 , 43, 1297-1300	3.3	1561
91	Synthesis and Magnetic Characteristics of Granular Co Dispersions in a Polymer Matrix. <i>Materials Research Society Symposia Proceedings</i> , 1990 , 195, 423		1
90	Giant magnetoresistance in sputtered magnetic superlattices (invited) (abstract). <i>Journal of Applied Physics</i> , 1990 , 67, 5931-5931	2.5	3
89	Low-energy electron-diffraction crystallographic determination for the Cu(110)2 x 1-O surface structure. <i>Physical Review B</i> , 1990 , 41, 5432-5435	3.3	97
88	Unidirectionally biased Permalloy: A polarized-neutron-reflection experiment. <i>Physical Review B</i> , 1990 , 42, 10583-10591	3.3	46
87	Surface, interface, and thin-film magnetism. <i>Journal of Materials Research</i> , 1990 , 5, 1299-1340	2.5	431
86	Magnetic ordering in strain-controlled epitaxial rare-earth films (abstract). <i>Journal of Applied Physics</i> , 1990 , 67, 5733-5733	2.5	

85	Magnetic multilayer structures. <i>IBM Journal of Research and Development</i> , 1990 , 34, 903-915	2.5	18
84	Oscillations in exchange coupling and magnetoresistance in metallic superlattice structures: Co/Ru, Co/Cr, and Fe/Cr. <i>Physical Review Letters</i> , 1990 , 64, 2304-2307	7.4	2400
83	Exchange Anisotropy in Ni ₈₁ Fe ₁₉ /Fe ₅₀ Mn ₅₀ Multilayered Structures: Evidence for Finite-Size Scaling in Ultra-Thin Antiferromagnetic Layers. <i>Springer Proceedings in Physics</i> , 1990 , 110-120	0.2	11
82	Properties that change as superconductivity disappears at high-doping concentrations in La _{2-x} Sr _x CuO ₄ . <i>Physical Review B</i> , 1989 , 40, 8872-8877	3.3	327
81	Magnetic properties of granular Co-polymer thin films. <i>Journal of Applied Physics</i> , 1989 , 65, 2017-2020	2.5	34
80	Infrared measurement of a Tl ₂ Ba ₂ CaCu ₂ O ₈ Film. <i>Physica C: Superconductivity and Its Applications</i> , 1989 , 162-164, 1111-1112	1.3	4
79	Magnetic field penetration into the high temperature superconductor YBa ₂ Cu ₃ O ₇ . <i>Physica B: Condensed Matter</i> , 1989 , 156-157, 867-870	2.8	18
78	Disappearance of high temperature superconductivity induced by high carrier concentrations. <i>Physica C: Superconductivity and Its Applications</i> , 1989 , 162-164, 291-295	1.3	73
77	Oxygen ordering in Y ₁ Ba ₂ Cu ₃ O ₇ . <i>Physica C: Superconductivity and Its Applications</i> , 1989 , 162-164, 548-549	1.3	9
76	Oxygen ordering, phase separation and the 60-K and 90-K plateaus in YBa ₂ Cu ₃ O _x . <i>Nature</i> , 1989 , 340, 619-621	50.4	277
75	Tl-Ca-Ba-Cu-O superconducting oxides. <i>IBM Journal of Research and Development</i> , 1989 , 33, 228-237	2.5	26
74	Structural and Magnetic Characterization of Rare Earth and Transition Metal Films Grown on Epitaxial Buffer Films on Semiconductor. <i>Materials Research Society Symposia Proceedings</i> , 1989 , 151, 203		12
73	X-Ray Diffraction Study of Rare Earth Epitaxial Structures Grown by MBE onto (111) GaAs. <i>Materials Research Society Symposia Proceedings</i> , 1989 , 151, 277		
72	Ordered Oxygen Arrangements in Y ₁ Ba ₂ Cu ₃ O ₇ . <i>Materials Research Society Symposia Proceedings</i> , 1989 , 156, 77		
71	Studies of superconducting oxides with a solid-state ionic technique. <i>Physica C: Superconductivity and Its Applications</i> , 1988 , 153-155, 590-593	1.3	33
70	Bulk superconductivity at 125 K in Tl ₂ Ca ₂ Ba ₂ Cu ₃ O _x . <i>Physical Review Letters</i> , 1988 , 60, 2539-2542	7.4	450
69	Anomalous disappearance of high-T _c superconductivity at high hole concentration in metallic La _{2-x} Sr _x CuO ₄ . <i>Physical Review Letters</i> , 1988 , 61, 1127-1130	7.4	826
68	Crystallography and microstructure of Tl-Ca-Ba-Cu-O superconducting oxides. <i>Applied Physics Letters</i> , 1988 , 53, 432-434	3.4	93

67	Superconducting Tl-Ca-Ba-Cu-O thin films with zero resistance at temperatures of up to 120 K. <i>Applied Physics Letters</i> , 1988 , 53, 329-331	3-4	117
66	Preparation and X-ray characterization of superconducting and related Tl ₂ Ba ₂ CuO ₆ phases. <i>Materials Research Bulletin</i> , 1988 , 23, 1307-1314	5-1	27
65	Metallic, but not superconducting, La-Ba (and La-Sr) copper oxides. <i>Physical Review Letters</i> , 1988 , 60, 542-545	7-4	150
64	Tl ₁ Ca _n -1Cu _n O _{2n+3} (n=1,2,3): A new class of crystal structures exhibiting volume superconductivity at up to. <i>Physical Review Letters</i> , 1988 , 61, 750-753	7-4	385
63	Dependence of magnetic properties of pellets of nominal composition YBa ₂ Cu. <i>Physical Review B</i> , 1988 , 37, 131-136	3-3	40
62	Effects of Ni-to-Cu substitution on the properties of the high-T _c superconductor La _{1.85} Sr _{0.15} CuO _{4-y} . <i>Physical Review B</i> , 1988 , 37, 5132-5135	3-3	32
61	Magnetic field dependence of the resistivity and susceptibility of the above-100-K Bi-Sr-Ca-Cu superconductor. <i>Physical Review B</i> , 1988 , 38, 7101-7104	3-3	3
60	Ferromagnetic interactions in organic solids: An overview of theory and experiment (invited). <i>Journal of Applied Physics</i> , 1988 , 63, 2962-2965	2-5	51
59	New approaches to epitaxy of transition metals and rare earths: Heteroepitaxy on lattice-matched buffer films on semiconductors (invited). <i>Journal of Applied Physics</i> , 1988 , 64, 5315-5320	2-5	48
58	Magnetism and superconductivity in La _{2-x} Sr _x CuO ₄ (invited). <i>Journal of Applied Physics</i> , 1988 , 63, 4005-4008	2-5	7
57	Aerosol flow reactor production of fine Y ₁ Ba ₂ Cu ₃ O ₇ powder: Fabrication of superconducting ceramics. <i>Applied Physics Letters</i> , 1988 , 52, 1622-1624	3-4	64
56	Ferromagnetic resonance studies of exchange-biased Permalloy thin films. <i>Physical Review B</i> , 1988 , 38, 6847-6854	3-3	97
55	Model family of high-temperature superconductors: Tl _m Ca _n -1Ba ₂ Cu _n O ₂ (n+1)+m (m=1,2; n=1,2,3). <i>Physical Review B</i> , 1988 , 38, 6531-6537	3-3	241
54	Evidence for a Spin-Peierls-Like transition in the 1-D Organic Cation Radical Salt: B-(TMTSF) ₂ Re ₆ Se ₅ Cl ₉ . <i>Molecular Crystals and Liquid Crystals Incorporating Nonlinear Optics</i> , 1988 , 161, 329-334		1
53	Long-Range Coherency Strain and Tilted Ipitaxy in Ag-Fe-Ag Sandwich Structures on Gaas(001) Substrates. <i>Materials Research Society Symposia Proceedings</i> , 1988 , 130, 281		10
52	Evidence for superconductivity in La ₂ CuO. <i>Physical Review Letters</i> , 1987 , 58, 2482-2485	7-4	244
51	ESR study of optically enhanced phase transition in (BEDT ₂ TF) ₃ Ta ₂ F ₁₁ . <i>Journal of Chemical Physics</i> , 1987 , 86, 1780-1788	3-9	9
50	Incommensurate structural modulation and electronic localization in bis-tetramethyltetraselenafulvalene thiocyanate. <i>Physical Review B</i> , 1987 , 36, 2246-2250	3-3	7

49	The Effects of Oxygen Stoichiometry and Oxygen Ordering on Superconductivity in Y1Ba2Cu3O9 δ . <i>Materials Research Society Symposia Proceedings</i> , 1987 , 99, 77		7
48	Superconductivity above 90 K in the compound YBa2Cu3O x : Structural, transport, and magnetic properties. <i>Physical Review B</i> , 1987 , 35, 7242-7244	3.3	209
47	Study of volume superconductivity in [(ET)2X] superconductors. <i>Synthetic Metals</i> , 1987 , 19, 163-168	3.6	
46	First cation radical mixed-valence hybrid salts of the paramagnetic octahedral cluster Nb6Cl183 \square Preparation, crystal structures, and conducting and magnetic properties of pentakis(2,3,6,7-tetramethyl-1,4,5,8-tetra-selena- and -thia-fulvalenium) hexachloro(dodeca-(μ -2-chloro-octahedro-hexaniobate). <i>Journal of the Chemical Society Chemical Communications</i> , 1987 , 1987, 1111-1112		18
45	Superconductivity above liquid nitrogen temperature: preparation and properties of a family of perovskite-based superconductors. <i>Journal of the American Chemical Society</i> , 1987 , 109, 2848-2849	16.4	131
44	Standing spinwaves in FeMn/NiFe/FeMn exchange-bias structures. <i>IEEE Transactions on Magnetics</i> , 1987 , 23, 2999-3001	2	37
43	Quantum oscillations and field-induced transitions in (TMTSF)2ReO4. <i>Physica B: Physics of Condensed Matter & C: Atomic, Molecular and Plasma Physics, Optics</i> , 1986 , 143, 388-392		1
42	Magnetic disorder in the exchange bias bilayered FeNi-FeMn system. <i>Journal of Magnetism and Magnetic Materials</i> , 1986 , 54-57, 801-802	2.8	96
41	Landau diamagnetism in the charge density wave state of [Mo4O11]. <i>Journal of Magnetism and Magnetic Materials</i> , 1986 , 54-57, 1313-1314	2.8	8
40	Magnetic susceptibility and ESR of the organic conductor bis(ethylenedithio) tetrathiafulvalene perchlorate. <i>Physical Review B</i> , 1986 , 34, 1485-1488	3.3	14
39	Observation of magnetic dead layers at the surface of iron oxide films. <i>Applied Physics Letters</i> , 1986 , 48, 604-606	3.4	54
38	Superconductivity in sulfur-based organic superconductors: A volume property. <i>Physical Review B</i> , 1986 , 34, 3156-3161	3.3	16
37	Competition between organic superconductivity and a displacive structural modulation in the molecular stacks in bis(ethylenedithio) tetrathiafulvalene perrhenate, (BEDT-TTF)2ReO4. <i>Physical Review B</i> , 1986 , 33, 2049-2051	3.3	21
36	Magnetic-field-induced transition and quantum oscillations in tetramethyltetraselenafulvalenium perrhenate, (TMTSF)2ReO4. <i>Physical Review Letters</i> , 1986 , 56, 667-670	7.4	73
35	Cation radical salts with magnetic anions: Preparation and characterization of FeCl4 salts of TMTTF and TMTSF. <i>Solid State Communications</i> , 1985 , 55, 597-600	1.6	35
34	Structureless Anomaly in the TMTTF2X Family. <i>Molecular Crystals and Liquid Crystals</i> , 1985 , 119, 325-328		7
33	Narrow Pressure Domain for Superconductivity in (TMTSEF)2ClO4. <i>Molecular Crystals and Liquid Crystals</i> , 1985 , 119, 33-36		7
32	The Many Faces of ET. <i>Molecular Crystals and Liquid Crystals</i> , 1985 , 119, 375-387		56

- 31 Magnetic dead layer of 25 Å thickness in Fe₃O₄ (abstract). *Journal of Applied Physics*, **1985**, 57, 3771-3771.2.5 6
- 30 Structureless transition and strong localization effects in bis-tetramethyltetrathiafulvalenium salts. *Physical Review B*, **1985**, 31, 3583-3587 3.3 62
- 29 Synthesis of Biethylenedithiolyene-Tetrathiafulvalene Donors (BEDT-TTF) and Electrochemical Preparation of their Charge Transfer Complexes. *Molecular Crystals and Liquid Crystals*, **1984**, 107, 19-31 32
- 28 A Narrow Window for Superconductivity in Organic Conductors **1984**, 655-666
- 27 Bis(ethylenediseleno)tetraselenafulvalene (BEDSe-TSeF). *Journal of the Chemical Society Chemical Communications*, **1983**, 235 22
- 26 Polarized neutron study of Mn₁₄TaS₂: Observation of conduction electron spin polarisation. *Journal of Magnetism and Magnetic Materials*, **1983**, 31-34, 1207-1208 2.8 2
- 25 Magnetic structure of Co_{1/3}NbS₂ and Co_{1/3}TaS₂. *Journal of Physics C: Solid State Physics*, **1983**, 16, 2765-2778 23
- 24 Pressure dependence of the metal-insulator transitions in (TMTTF)₂SCN. *Journal of Physics C: Solid State Physics*, **1983**, 16, L209-L215 6
- 23 Superconductivity in a New Family of Organic Conductors. *Physical Review Letters*, **1983**, 50, 270-273 7.4 274
- 22 Magnetisation density distribution in Mn_{1/4}TaS₂: observation of conduction electron spin polarisation. *Journal of Physics C: Solid State Physics*, **1983**, 16, 2749-2764 22
- 21 Pressure-temperature phase diagrams of several (TMTTF)₂X compounds : stabilisation of a highly conducting metallic state under pressure in (TMTTF)₂Br. *Journal De Physique*, **1983**, 44, 975-984 15
- 20 Substitution of TMTSeF with TMTTF in (TMTSeF)₂ClO₄ : high pressure studies. *Journal De Physique*, **1983**, 44, 603-607 3
- 19 Measurement of synchrotron x-ray energies and line shapes using diffraction markers. *Review of Scientific Instruments*, **1982**, 53, 575-581 1.7 10
- 18 Antiferromagnetic resonance in tetramethyltetrathiafulvalene bromide [(TMTTF)Br₂]. *Physical Review B*, **1982**, 26, 6319-6321 3.3 43
- 17 The transport properties of vanadium-doped TiSe₂ under pressure. *Journal of Physics C: Solid State Physics*, **1982**, 15, L871-L874 2
- 16 Pressure Dependence of the Metal-Insulator and Superconducting Phase Transitions in (TMTSF)₂ReO₄. *Molecular Crystals and Liquid Crystals*, **1982**, 79, 569-580 8
- 15 Superconductivity in the Organic Charge Transfer Salts: (TMTSF)₂X and (TMTTF)₂X. *Molecular Crystals and Liquid Crystals*, **1982**, 79, 605-615 7
- 14 Thermal Expansion in TMTSF-Dmteq & (TMTSF)₂PF₆. *Molecular Crystals and Liquid Crystals*, **1982**, 79, 693-698 7

13	Optical reflectivity spectra of several 3d transition-metal intercalates of the niobium and tantalum dichalcogenides: evidence for conduction-band broadening. <i>Journal of Physics C: Solid State Physics</i> , 1982 , 15, 6851-6856	6
12	Three new superconducting members of the family of tetramethyltetraselenafulvalene (TMTSF) salts: TMTSF ₂ ClO ₄ , TMTSF ₂ SbF ₆ , TMTSF ₂ TaF ₆ . <i>Journal of Physics C: Solid State Physics</i> , 1981 , 14, L445-L450	36
11	Superconductivity in the family of organic salts based on the tetramethyltetraselenafulvalene (TMTSF) molecule: (TMTSF) ₂ X (X=ClO ₄ , PF ₆ , AsF ₆ , SbF ₆ , TaF ₆). <i>Journal of Physics C: Solid State Physics</i> , 1981 , 14, 5305-5326	74
10	Conduction band symmetry in Ta chalcogenides from Ta L edge X-ray absorption spectroscopy (XAS). <i>Journal of Physics C: Solid State Physics</i> , 1981 , 14, L349-L357	10
9	Magnetic and transport properties of 3d transition metal intercalates of some group Va transition metal dichalcogenides. <i>Physica B: Physics of Condensed Matter & C: Atomic, Molecular and Plasma Physics, Optics</i> , 1980 , 99, 219-223	13
8	3d transition metal intercalates of the niobium and tantalum dichalcogenides. <i>The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties</i> , 1980 , 42, 627-642	43
7	3d transition-metal intercalates of the niobium and tantalum dichalcogenides. II. Transport properties. <i>The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties</i> , 1980 , 41, 95-112	78
6	3d transition-metal intercalates of the niobium and tantalum dichalcogenides. I. Magnetic properties. <i>The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties</i> , 1980 , 41, 65-93	159
5	A 10 ns read and write non-volatile memory array using a magnetic tunnel junction and FET switch in each cell	28
4	Integrated Hybrid VO ₂ /Silicon Optical Memory. <i>ACS Photonics</i> ,	6.3 6
3	Magnetic Tunnel Junctions	2
2	Hot Electron Spintronics	1
1	Atomic Layer Deposition of the Conductive Delafossite PtCoO ₂ . <i>Advanced Materials Interfaces</i> , 2200013	4.6 1