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(Ga,Mn)As: A new diluted magnetic semiconductor based on GaAs

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2123	SURFACE PHENOMENA IN THE DEFORMATION AND FRACTURE OF METALS. 1960 , 29, 576-589		3
2122	(Ga, Mn)As/GaAs Diluted Magnetic Semiconductor Superlattice Structures Prepared by Molecular Beam Epitaxy. 1997 , 36, L73-L75		42
2121	Reflection high-energy electron diffraction oscillations during growth of GaAs at low temperatures under high As overpressure. <i>Applied Physics Letters</i> , 1997 , 71, 1540-1542	3.4	34
2120	Formation and Properties of Nanosize Ferromagnetic MnAs Particles in Low Temperature GaAs by Manganese Implantation. 1997 , 475, 49		
2119	Magnetotransport and magnetization properties of p-type , a new III - V diluted magnetic semiconductor. 1997 , 9, L361-L367		17
2118	Ferromagnetic Order Induced by Photogenerated Carriers in Magnetic III-V Semiconductor Heterostructures of (In,Mn)As/GaSb. 1997 , 78, 4617-4620		544
2117	Formation of nanoscale ferromagnetic MnAs crystallites in low-temperature grown GaAs. <i>Applied Physics Letters</i> , 1997 , 71, 2532-2534	3.4	99
2116	Interplay between the magnetic and transport properties in the III-V diluted magnetic semiconductor Ga _{1-x} Mn _x As. 1997 , 56, 13103-13112		350
2115	Optical and magnetic materials. 1997 , 2, 260-275		
2114	Magnetic and magnetotransport properties of new III-V diluted magnetic semiconductors: GaMnAs. 1997 , 81, 4865-4867		68
2113	Growth and properties of (Ga, Mn) As: A new III ^V diluted magnetic semiconductor. 1997 , 113-114, 178-182		23
2112	Nonmetal-metal-nonmetal transition and large negative magnetoresistance in (Ga, Mn)As/GaAs. 1997 , 103, 209-213		141
2111	(GaMn)As: GaAs-based III ^V diluted magnetic semiconductors grown by molecular beam epitaxy. 1997 , 175-176, 1063-1068		172
2110	Epitaxy of (Ga, Mn)As, a new diluted magnetic semiconductor based on GaAs. 1997 , 175-176, 1069-1074		174
2109	Making nonmagnetic semiconductors ferromagnetic. 1998 , 281, 951-5		4191
2108	Transport properties and origin of ferromagnetism in (Ga,Mn)As. 1998 , 57, R2037-R2040		944
2107	Local structures of III-V diluted magnetic semiconductors Ga _{1-x} Mn _x As studied using extended x-ray-absorption fine structure. 1998 , 58, 1100-1102		106

2106	Magneto-optic effect of the ferromagnetic diluted magnetic semiconductor Ga _{1-x} MnxAs. 1998 , 83, 6548-6550		153
2105	Formation of InAs quantum dots by metalorganic molecular beam epitaxy using trisdimethylaminoarsenic and bisdimethylaminoarsenicchloride. 1998 , 188, 363-369		13
2104	Band structures of zinc-blende-type MnAs and (MnAs) ₁ (GaAs) ₁ superlattice. 1998 , 177-181, 1383-1384		137
2103	Epitaxial ferromagnetic thin films and heterostructures of Mn-based metallic and semiconducting compounds on GaAs. 1998 , 2, 372-380		39
2102	Optical studies of spin precession in magnetic two-dimensional electron gases. 1998 , 2, 394-398		8
2101	Magnetotransport properties of new III \bar{V} -based magnetic(GaMnAs)/nonmagnetic(AlAs) semiconductor superlattices. 1998 , 2, 404-407		4
2100	Ferromagnetic (Ga,Mn)As and its heterostructures. 1998 , 2, 904-908		9
2099	Low-temperature conduction and giant negative magnetoresistance in III \bar{V} -based diluted magnetic semiconductor:(Ga,Mn)As/GaAs. 1998 , 249-251, 775-779		22
2098	Superlattice and multilayer structures based on ferromagnetic semiconductor (Ga,Mn)As. 1998 , 249-251, 809-813		10
2097	Magnetotunneling spectroscopy of resonant tunneling diode using ferromagnetic (Ga,Mn)As. 1998 , 256-258, 561-564		10
2096	Magnetotransport properties of all semiconductor (Ga,Mn)As/(Al,Ga)As/(Ga,Mn)As tri-layer structures. 1998 , 256-258, 573-576		2
2095	ESR study of Mn doped II \bar{V} I and III \bar{V} DMS. 1998 , 256-258, 569-572		9
2094	Self-organized (In, Mn)As diluted magnetic semiconductor nanostructures on GaAs substrates. 1998 , 130-132, 797-802		11
2093	Ferromagnetism and Its Stability in the Diluted Magnetic Semiconductor (In, Mn)As. 1998 , 81, 3002-3005		702
2092	Spin transport and carrier-mediated magnetism in magnetic semiconductor heterostructures. 1998 , 3, 198-202		5
2091	Spontaneous splitting of ferromagnetic (Ga, Mn)As valence band observed by resonant tunneling spectroscopy. <i>Applied Physics Letters</i> , 1998 , 73, 363-365	3-4	137
2090	Negative magnetoresistance in GaAs with magnetic MnAs nanoclusters. <i>Applied Physics Letters</i> , 1998 , 72, 3368-3370	3-4	89
2089	Giant magnetoresistance in a low-temperature GaAs/MnAs nanoscale ferromagnet hybrid structure. <i>Applied Physics Letters</i> , 1998 , 73, 3291-3293	3-4	55

2088	Hall effect and resistivity of FeSi_2 thin films and single crystals. 1998 , 84, 3187-3196	33
2087	Interlayer exchange in $(\text{Ga,Mn})\text{As}/(\text{Al,Ga})\text{As}/(\text{Ga,Mn})\text{As}$ semiconducting ferromagnet/nonmagnet/ferromagnet trilayer structures. <i>Applied Physics Letters</i> , 1998 , 73, 2122-2124	3-4 48
2086	Faraday rotation of ferromagnetic $(\text{Ga, Mn})\text{As}$. 1998 , 34, 190	32
2085	Core-level photoemission study of $\text{Ga}_{1-x}\text{Mn}_x\text{As}$. 1998 , 58, R4211-R4214	260
2084	Magnetotransport Properties of a Single-Crystalline FeSi_2 Layer Grown on $\text{Si}(001)$ Substrate by Reactive Deposition Epitaxy. 1998 , 37, L333-L335	3
2083	Hall effect and magnetic properties of III-V based $(\text{Ga}_{1-x}\text{Mn}_x)\text{As}/\text{AlAs}$ magnetic semiconductor superlattices. 1998 , 83, 6551-6553	29
2082	Manganese-based magnetic compounds grown on III-V semiconductors: growth technique, magnetic properties, and applications.	
2081	Magnetic field-induced metal-insulator transitions in graphite and diluted magnetic semiconductors. 1998 , 356, 157-172	5
2080	Diluted Magnetic Semiconductor Thin Films and Multilayers. 1998 , 517, 613	2
2079	Molecular-Beam Epitaxy of AlGaMnAs . 1999 , 23, 93-95	2
2078	Properties of III-V Based Ferromagnetic Semiconductor $(\text{Ga}_{1-x}\text{Mn}_x)\text{As}$: As Pressure Dependence. 1999 , 23, 96-98	1
2077	Magnetic and transport properties of the ferromagnetic semiconductor heterostructures $(\text{In,Mn})\text{As}/(\text{Ga,Al})\text{Sb}$. 1999 , 59, 5826-5831	69
2076	Heating of the spin system by nonequilibrium phonons in semimagnetic $(\text{Cd,Mn,Mg})\text{Te}$ quantum wells. 1999 , 60, 5609-5616	16
2075	Spin-polarized transport and Andreev reflection in semiconductor/superconductor hybrid structures. 1999 , 60, R16322-R16325	63
2074	Mn impurity in $\text{Ga}_{1-x}\text{Mn}_x\text{As}$ epilayers. 1999 , 60, 8304-8308	102
2073	Metal-insulator transition and magnetotransport in III-V compound diluted magnetic semiconductors. 1999 , 63, 88-95	58
2072	The nature of Mn center and exchange interaction in $\text{Ga}_{1-x}\text{Mn}_x\text{As}$ dilute magnetic semiconductor. 1999 , 63, 96-102	15
2071	Carrier-mediated ferromagnetic interactions in structures of magnetic semiconductors. 1999 , 63, 103-110	31

2070	Auger electron spectroscopy of super-doped Si:Mn thin films. 1999 , 142, 537-542		10
2069	Electrical spin injection in a ferromagnetic semiconductor heterostructure. 1999 , 402, 790-792		2126
2068	Lithium-doped plastic crystal electrolytes exhibiting fast ion conduction for secondary batteries. 1999 , 402, 792-794		494
2067	Tunneling spectroscopy and tunneling magnetoresistance in (GaMn)As ultrathin heterostructures. 1999 , 201-202, 689-692		45
2066	InAs and (In,Mn)As nanostructures grown on GaAs(100), (211)B, and (311)B substrates. 1999 , 201-202, 684-688		8
2065	Ferromagnet/semiconductor hybrid structures grown by molecular-beam epitaxy. 1999 , 201-202, 660-669		24
2064	Low-temperature molecular beam epitaxial growth of GaAs and (Ga,Mn)As. 1999 , 201-202, 679-683		37
2063	First-principles calculations of electronic structures of diluted magnetic semiconductors (Ga,Mn)As. 1999 , 196-197, 428-429		96
2062	Properties of ferromagnetic III V semiconductors. 1999 , 200, 110-129		725
2061	Interlayer coupling in ferromagnetic semiconductor superlattices. 1999 , 59, 9818-9821		238
2060	Magnetic Circular Dichroism Studies of Carrier-Induced Ferromagnetism in (Ga $_{1-x}$ Mn $_x$)As. 1999 , 83, 3073-3076	248	
2059	Monte Carlo simulation of reentrant reflection high-energy electron diffraction intensity oscillation observed during low-temperature GaAs growth. <i>Applied Physics Letters</i> , 1999 , 74, 3275-3277	3-4	11
2058	Spin-dependent tunneling and properties of ferromagnetic (Ga,Mn)As (invited). 1999 , 85, 4277-4282		76
2057	Antiferromagnetic p d exchange in ferromagnetic Ga $_{1-x}$ Mn $_x$ As epilayers. 1999 , 59, 12935-12939		132
2056	Magnetic and transport properties of III V based magnetic semiconductor (GaMn)As: Growth condition dependence. <i>Applied Physics Letters</i> , 1999 , 74, 398-400	3-4	110
2055	Surfactant effect of Mn on the formation of self-organized InAs nanostructures. 2000 , 208, 799-803		17
2054	Subtracted Auger electron spectra of heavily doped transition-metal impurities in Si. 2000 , 210, 137-142		6
2053	Optical characterisation of MOVPE-grown Ga $_{1-x}$ Mn $_x$ As semimagnetic semiconductor layers. 2000 , 364, 209-212		28

2052	GaFeAs: a diluted magnetic semiconductor grown by molecular beam epitaxy. 2000 , 371, 272-277		13
2051	Magnetic domain structures of (Ga,Mn)As investigated by scanning Hall probe microscopy. 2000 , 284-288, 1171-1172		1
2050	Anisotropy and Barkhausen jumps in diluted magnetic semiconductor (Ga,Mn)As. 2000 , 284-288, 1175-1176		14
2049	Magnetotransport properties of (Ga,Mn)As investigated at low temperature and high magnetic field. 2000 , 7, 976-980		112
2048	Molecular beam epitaxy of III \bar{V} diluted magnetic semiconductor (Ga,Mn)Sb. 2000 , 7, 981-985		75
2047	InAs dots including Mn atoms fabricated by MOMBE. 2000 , 7, 1001-1005		10
2046	Ferromagnetism and heterostructures of III \bar{V} magnetic semiconductors. 2000 , 6, 702-708		15
2045	Theory of carrier-induced ferromagnetism in Mn $_x$ Ga $_{1-x}$ As/GaAs superlattices. 2000 , 6, 794-797		4
2044	MBE growth and electroluminescence of ferromagnetic/non-magnetic semiconductor pn junctions based on (Ga,Mn)As. 2000 , 159-160, 308-312		21
2043	Molecular beam epitaxy of GaSb with high concentration of Mn. 2000 , 159-160, 265-269		16
2042	Meet the spin doctors. 2000 , 404, 918-20		148
2041	Enhanced magneto-optical effect in a GaAs:MnAs nanoscale hybrid structure combined with GaAs/AlAs distributed Bragg reflectors. 2000 , 18, 2063		23
2040	Ferromagnetic III \bar{V} heterostructures. 2000 , 18, 2039		44
2039	Preparation and Characterization of Fe-Based III-V Diluted Magnetic Semiconductor (Ga, Fe)As. 2000 , 39, L9-L12		42
2038	Magnetic moment of Mn in the ferromagnetic semiconductor (Ga $_{0.98}$ Mn $_{0.02}$)As. <i>Applied Physics Letters</i> , 2000 , 76, 2928-2930	3-4	77
2037	Ferromagnetic properties and structures of the Mn-implanted GaAs semiconductor. 2000 , 87, 5636-5638		28
2036	Growth and characterization of low-temperature grown GaN with high Fe doping. <i>Applied Physics Letters</i> , 2000 , 77, 4377-4379	3-4	67
2035	Structural and magnetic properties of molecular beam epitaxy grown GaMnAs layers. 2000 , 18, 1697		52

2034	Spin diffusion in semiconductors. 2000 , 84, 4220-3		113
2033	Observation of magnetic domain structure in a ferromagnetic semiconductor (Ga, Mn)As with a scanning Hall probe microscope. <i>Applied Physics Letters</i> , 2000 , 77, 1363-1365	3-4	67
2032	Magnetotransport properties of (Ga, Mn)Sb. 2000 , 87, 6442-6444		72
2031	Tunneling magnetoresistance of a GaMnAs-based double barrier ferromagnetic tunnel junction. 2000 , 87, 4673-4675		85
2030	(Ga,Mn)As as a digital ferromagnetic heterostructure. <i>Applied Physics Letters</i> , 2000 , 77, 2379-2381	3-4	162
2029	Ferromagnetic semiconductor heterostructures based on (GaMn)As. 2000 , 18, 1247-1253		22
2028	Zener model description of ferromagnetism in zinc-blende magnetic semiconductors. 2000 , 287, 1019-22		6810
2027	Theory of diluted magnetic semiconductor ferromagnetism. 2000 , 84, 5628-31		266
2026	Theory of ferromagnetism in diluted magnetic semiconductor quantum wells. 2000 , 61, 15606-15609		102
2025	Magnetoresistance effect and interlayer coupling of (Ga, Mn)As trilayer structures. <i>Applied Physics Letters</i> , 2000 , 77, 1873	3-4	129
2024	Spin-dependent scattering in semiconducting ferromagnetic (Ga,Mn)As trilayer structures. 2000 , 87, 6436-6438		21
2023	Magneto-optical properties and the potential application of GaAs with magnetic MnAs nanoclusters. <i>Applied Physics Letters</i> , 2000 , 76, 97-99	3-4	99
2022	Spintronics: a new paradigm for electronics for the new millennium. 2000 , 36, 2748-2751		57
2021	Effect of low-temperature annealing on transport and magnetism of diluted magnetic semiconductor (Ga, Mn)As. <i>Applied Physics Letters</i> , 2001 , 78, 1691-1693	3-4	240
2020	Monte Carlo study of ferromagnetism in (III,Mn)V semiconductors. 2001 , 64,		106
2019	Theory of magnetic properties and spin-wave dispersion for ferromagnetic (Ga,Mn)As. 2001 , 64,		107
2018	Room temperature ferromagnetic properties of (Ga, Mn)N. <i>Applied Physics Letters</i> , 2001 , 79, 3473-3475	3-4	608
2017	Hole-mediated ferromagnetism in tetrahedrally coordinated semiconductors. 2001 , 63,		1333

2016	Anomalous exchange interactions in III-V dilute magnetic semiconductors. 2001 , 63,		310
2015	Magnetoresistance of Mn:Ge ferromagnetic nanoclusters in a diluted magnetic semiconductor matrix. <i>Applied Physics Letters</i> , 2001 , 78, 2739-2741	3-4	170
2014	Theory of magnetic anisotropy in III _{1-x} MnxV ferromagnets. 2001 , 63,		297
2013	Spin interactions in diluted magnetic semiconductors and magnetic semiconductor structures. 2001 , 16, R25-R39		164
2012	Electronic and magnetic properties of Ga _{1-x} MnxAs: Role of Mn defect bands. 2001 , 64,		63
2011	Spatially resolved spin-injection probability for gallium arsenide. 2001 , 292, 1518-21		81
2010	Magneto-optical properties of a GaAs:MnAs hybrid structure sandwiched by GaAs/AlAs distributed Bragg reflectors: Enhanced magneto-optical effect and theoretical analysis. <i>Applied Physics Letters</i> , 2001 , 78, 1523-1525	3-4	56
2009	Effects of disorder on ferromagnetism in diluted magnetic semiconductors. 2001 , 87, 107203		340
2008	Spin diffusion in doped semiconductors: The role of Coulomb interactions. 2001 , 55, 566-572		59
2007	Growth and properties of (Ga,Mn)As films with high Mn concentration. 2001 , 89, 7024-7026		26
2006	Magneto-optical properties of semiconductor-based superlattices having GaAs with MnAs nanoclusters. 2001 , 89, 7281-7283		22
2005	Magnetic domains in III-V magnetic semiconductors. 2001 , 64,		85
2004	Theory of ferromagnetism in planar heterostructures of (Mn,III)-V semiconductors. 2001 , 64,		51
2003	Photoinduced phase transition accompanied with the changes in magnetic properties. 2001 , 74, 35-50		1
2002	Crystal growth and characterization of magnetic semiconductors. 2001 , 303-319		8
2001	Room-Temperature Photo-induced MR in MnSb : GaAs Granular Thin Films. 2001 , 25, 502-506		
2000	>Hole concentration vs. Mn fraction in a diluted (Ga,Mn)As ferromagnetic semiconductor. 2001 , 692, 1		1
1999	Electronic Structure and Magnetic Properties of Transition Metal Doped Silicon Carbide. 2001 , 690, F6.8.1		

1998	Kinetic Exchange Vs. Room Temperature Ferromagnetism in Diluted Magnetic Semiconductors. 2001 , 690, F6.9.1	8
1997	Optical and Structural Properties of Mn-Implanted GaN Films. 2001 , 693, 489	
1996	Angle-resolved photoemission study of Ga _{1-x} Mn _x As. 2001 , 64,	116
1995	Study on the Magnetic and Transport Properties of Low Density Carrier Ferromagnetic Semiconductors. 2001 , 70, 1105-1116	11
1994	Theory of ferromagnetism in (A, Mn)B semiconductors. 2001 , 81, 1167-1174	2
1993	Studies of impurities in magnetic semiconductors: an example of important XAFS applications. 2001 , 8, 874-6	2
1992	Photo-thermal excitation gas-source MBE growth of super-doped Si:Mn for spin-photonics applications. 2001 , 395, 230-234	14
1991	A ferromagnetic III _{IV} semiconductor: (Ga,Mn)As. 2001 , 117, 179-186	164
1990	Spin-dependent phenomena in ferromagnetic/nonmagnetic III _{IV} heterostructures. 2001 , 119, 281-289	33
1989	Magnetic and electric properties of vanadium doped ZnO films. 2001 , 120, 439-443	343
1988	Possible s _z hybridization effect on the cyclotron mass in II _{VI} diluted magnetic semiconductors at megagauss fields. 2001 , 294-295, 467-470	1
1987	High field cyclotron resonance measurements of heavily doped Si : Mn. 2001 , 298, 449-452	4
1986	Growth and properties of super-doped Si:Mn for spin-photonics. 2001 , 302-303, 419-424	51
1985	Spin-dependent properties of ferromagnetic/nonmagnetic GaAs heterostructures. 2001 , 84, 70-74	12
1984	Material aspects of spin injection in semiconductors. 2001 , 84, 75-80	7
1983	Magnetism and metal-insulator transition in III-V based diluted magnetic semiconductors. 2001 , 84, 88-95	39
1982	Ferromagnetism in III _{IV} and II _{VI} semiconductor structures. 2001 , 9, 185-193	59
1981	Possibility of electrostatic control of magnetic moments in ferromagnetic semiconductors. 2001 , 9, 295-299	1

1980	Tailoring spin ordering in magnetic semiconductors. 2001 , 10, 120-129	15
1979	Control of material parameters and metal-insulator transition in (Ga,Mn)As. 2001 , 10, 130-134	3
1978	Magnetic domain structure of a ferromagnetic semiconductor (Ga,Mn)As observed with scanning probe microscopes. 2001 , 10, 135-138	23
1977	Ferromagnetism and spin waves in diluted magnetic semiconductors. 2001 , 10, 139-142	8
1976	Electronic and magnetic properties of 3d transition-metal-doped GaAs. 2001 , 10, 143-147	82
1975	Magnetic interaction in low density carrier ferromagnetic semiconductors. 2001 , 10, 148-152	1
1974	Hole-hole correlation effects on magnetic properties of Mn _x III1-V diluted magnetic semiconductors. 2001 , 10, 153-156	15
1973	Mean-field theory of magnetic properties of Mn _x III1-V semiconductors. 2001 , 10, 161-164	7
1972	Properties of GaMnAs layers grown by migration enhanced epitaxy at very low substrate temperatures. 2001 , 10, 181-185	4
1971	Carrier concentration dependence of electronic and magnetic properties of Sn-doped GaMnAs. 2001 , 10, 196-200	32
1970	Magnetotransport properties of (Ga,Mn)As grown on GaAs A substrates. 2001 , 10, 206-209	26
1969	Magnetic circular dichroism in Mn 2p core absorption of Ga _{1-x} Mn _x As. 2001 , 10, 210-214	25
1968	Infrared optical conductivity of In _{1-x} Mn _x As. 2001 , 10, 215-218	31
1967	Electron cyclotron resonance in In _{1-x} Mn _x As. 2001 , 10, 219-223	6
1966	MBE growth and properties of 3d transition metal-doped GaAs. 2001 , 10, 229-232	9
1965	Preparation of wurtzite GaN-based magnetic alloy semiconductors by molecular beam epitaxy. 2001 , 10, 233-236	26
1964	First principles electronic band calculation of (Zn, Cr)Te, (Zn, Cr)Se and (Zn, Cr)S. 2001 , 10, 242-246	31
1963	Spin-dependent transport in a double barrier structure with a ferromagnetic material emitter. 2001 , 10, 283-287	9

1962	Properties of (Ga,Mn)As/(Al,Ga)As/(Ga,Mn)As magnetic trilayer structures. 2001 , 10, 278-282	5
1961	Magnetic properties of Er and Er, O-doped GaAs grown by organometallic vapor phase epitaxy. 2001 , 10, 391-394	6
1960	Electrical spin injection in ferromagnetic/nonmagnetic semiconductor heterostructures. 2001 , 10, 489-492	41
1959	Enhancement of magneto-optical effect in a GaAs:MnAs hybrid nanostructure sandwiched by GaAs/AlAs distributed Bragg reflectors: epitaxial semiconductor-based magneto-phonic crystal. 2001 , 227-228, 839-846	33
1958	Low temperature molecular beam epitaxy growth and properties of (Ga,Er)As. 2001 , 227-228, 857-861	1
1957	Growth and tunneling spectroscopy study of Fe/(GaAs,AlAs)/Ga _{1-x} MnxAs ferromagnet/semiconductor heterostructures. 2001 , 227-228, 867-873	7
1956	Structural and magnetic properties of GaMnAs layers with high Mn-content grown by migration-enhanced epitaxy on GaAs(100) substrates. <i>Applied Physics Letters</i> , 2001 , 78, 3271-3273	3-4 56
1955	Spintronics: a spin-based electronics vision for the future. 2001 , 294, 1488-95	9054
1954	Low-temperature ferromagnetism in a new diluted magnetic semiconductor Bi _{2-x} FexTe ₃ . 2001 , 73, 352-356	43
1953	Electronic structure and magnetism of diluted magnetic semiconductor (Zn, Cr)Te. 2001 , 226-230, 2033-2035	4
1952	Materials Design of Transparent and Half-Metallic Ferromagnets in V- or Cr-Doped ZnS, ZnSe and ZnTe without P- or N-type Doping Treatment. 2001 , 40, L651-L653	68
1951	Molecular Beam Epitaxy of Wurtzite GaN-Based Magnetic Alloy Semiconductors. 2001 , 40, L724-L727	79
1950	Spin Polarization Dependent Far Infrared Absorption in Ga _{1-x} MnxAs. 2001 , 40, 6231-6234	44
1949	A Spin Esaki Diode. 2001 , 40, L1274-L1276	109
1948	Transition temperature of ferromagnetic semiconductors: a dynamical mean field study. 2001 , 87, 227202	153
1947	Electron paramagnetic resonance of Mn in In _{1-x} MnxAs epilayers. 2001 , 63,	22
1946	Curie-temperature enhancement in ferromagnetic semiconductor superlattices. 2001 , 64,	41
1945	Observation of reversed hysteresis loops and negative coercivity in granular GaAs/Be hybrid structures. 2001 , 89, 7015-7017	9

1944	Electronic structure and magnetic interactions in Mn doped semiconductors. 2001 , 89, 7021-7023		47
1943	Fluorescence x-ray absorption fine structure study on local structures around Fe atoms heavily doped in GaN by low-temperature molecular-beam epitaxy. <i>Applied Physics Letters</i> , 2001 , 78, 2470-2472	3-4	13
1942	Effects of annealing time on defect-controlled ferromagnetism in Ga _{1-x} MnxAs. <i>Applied Physics Letters</i> , 2001 , 79, 1495-1497	3-4	297
1941	Paramagnetism and antiferromagnetic d-d coupling in GaMnN magnetic semiconductor. <i>Applied Physics Letters</i> , 2001 , 79, 2432-2434	3-4	130
1940	Weak localization in ferromagnets with spin-orbit interaction. 2001 , 64,		65
1939	Lattice constant variation and complex formation in zincblende gallium manganese arsenide. <i>Applied Physics Letters</i> , 2001 , 79, 1807-1809	3-4	68
1938	Magnetism of chalcopyrite semiconductors: Cd _{1-x} MnxGeP ₂ . 2001 , 63,		50
1937	X-ray absorption spectroscopy study of diluted magnetic semiconductors: Zn _{1-x} MxSe(M=Mn, Fe, Co) and Zn _{1-x} MnxY(Y=Se, Te). 2001 , 63,		25
1936	Ferromagnetic interactions in doped semiconductors and their nanostructures (invited). 2001 , 89, 7437-7442		53
1935	Carrier-induced ferromagnetism in p-n _{1-x} MnxTe. 2001 , 63,		194
1934	First-principles study of the origin and nature of ferromagnetism in Ga _{1-x} MnxAs. 2001 , 63,		258
1933	Light and electric field control of ferromagnetism in magnetic quantum structures. 2002 , 88, 207204		159
1932	Correlated defects, metal-insulator transition, and magnetic order in ferromagnetic semiconductors. 2002 , 89, 137201		78
1931	Effect of optical spin injection on ferromagnetically coupled Mn spins in the III-V magnetic alloy semiconductor (Ga,Mn)As. 2002 , 88, 137202		136
1930	Semiconducting and ferromagnetic behavior of sputtered Co-doped TiO ₂ thin films above room temperature. 2002 , 91, 8093		196
1929	Double-exchange-like interaction in Ga _{1-x} MnxAs investigated by infrared absorption spectroscopy. 2002 , 65,		55
1928	Investigation of nanoscale structure in digital layers of Mn/GaAs and MnGa/GaAs. <i>Applied Physics Letters</i> , 2002 , 80, 1150-1152	3-4	11
1927	Photoemission study of GaAs(100) grown at low temperature. 2002 , 65,		13

1926	Epitaxial growth of an n-type ferromagnetic semiconductor CdCr ₂ Se ₄ on GaAs(001) and GaP(001). <i>Applied Physics Letters</i> , 2002 , 81, 1471-1473	3-4	23
1925	Infrared conductivity of metallic (III,Mn)V ferromagnets. 2002 , 66,		47
1924	Bonding, moment formation, and magnetic interactions in Ca ₁₄ MnBi ₁₁ and Ba ₁₄ MnBi ₁₁ . 2002 , 65,		68
1923	Properties of ferromagnetic Ga/sub 1-x/Mn/sub x/N films grown by ammonia-MBE. 2002 , 38, 2859-2862		19
1922	Infrared probe of itinerant ferromagnetism in Ga(1-x)Mn(x)As. 2002 , 89, 097203		89
1921	Giant magnetic moments of nitrogen-doped Mn clusters and their relevance to ferromagnetism in Mn-doped GaN. 2002 , 89, 185504		138
1920	Spin separation in digital ferromagnetic heterostructures. 2002 , 66,		12
1919	Spectroscopic determination of hole density in the ferromagnetic semiconductor Ga _{1-x} Mn _x As. 2002 , 66,		56
1918	Ferromagnetism in II _{VI} diluted magnetic semiconductor Zn _{1-x} Cr _x Te. 2002 , 91, 8085		70
1917	Anisotropic electrical spin injection in ferromagnetic semiconductor heterostructures. <i>Applied Physics Letters</i> , 2002 , 80, 1598-1600	3-4	50
1916	Impurity-semiconductor band hybridization effects on the critical temperature of diluted magnetic semiconductors. 2002 , 66,		39
1915	Anisotropic magnetoresistance in Ga _{1-x} Mn _x As. 2002 , 65,		104
1914	Dependence of Curie temperature on the thickness of epitaxial (Ga,Mn)As film. 2002 , 66,		15
1913	Suppression of carrier-induced ferromagnetism by composition and spin fluctuations in diluted magnetic semiconductors. 2002 , 66,		18
1912	Studies of Mn/GaAs digital alloys using x-ray absorption fine structure and x-ray diffraction methods. <i>Applied Physics Letters</i> , 2002 , 80, 2654-2656	3-4	23
1911	Effective mass of conduction electrons in Cd _{1-x} Mn _x Te. 2002 , 65,		27
1910	First-principles approach to spin-orbit coupling in dilute magnetic semiconductors. 2002 , 66,		17
1909	Optical conductivity of ferromagnetic semiconductors. 2002 , 65,		29

1908	Surface-emitting spin-polarized In _{0.4} Ga _{0.6} As/GaAs quantum-dot light-emitting diode. <i>Applied Physics Letters</i> , 2002 , 80, 658-660	3-4	26
1907	Saturated ferromagnetism and magnetization deficit in optimally annealed Ga _{1-x} Mn _x As epilayers. 2002 , 66,		132
1906	MBE growth and properties of GaCrN.		
1905	chapter 1 III-V Ferromagnetic Semiconductors. 2002 , 14, 1-87		85
1904	IN-SITU PHOTOELECTRON SPECTROSCOPY OF MAGNETIC DOTS AND MAGNETIC SEMICONDUCTOR NANOSTRUCTURES. 2002 , 16, 1681-1690		3
1903	Ferromagnet (MnAs)/III V semiconductor hybrid structures. 2002 , 17, 327-341		119
1902	Optical, electrical and magnetic manipulation of spins in semiconductors. 2002 , 17, 275-284		53
1901	Technology and materials issues in semiconductor-based magnetoelectronics. 2002 , 17, 342-354		113
1900	The Electron Spin in Nanoelectronics. 2002 , 453-476		2
1899	Electrical spin injection into In _{0.4} Ga _{0.6} As/GaAs quantum dots using (Ga,Mn)As. 2002 , 20, 1182		4
1898	Growth and characterization of ferromagnetic Ga _{1-x} Mn _x As epilayers on (001) ZnSe. 2002 , 20, 1266		4
1897	Shift in the absorption edge due to exchange interaction in ferromagnetic semiconductors. 2002 , 14, 4491-4501		1
1896	Isocrystalline core/shell synthesis of high quality II-VI diluted magnetic semiconductor quantum dots: ligand-field spectroscopic studies. 2002 , 4807, 223		1
1895	Ferromagnetism in diluted magnetic semiconductor heterojunction systems. 2002 , 17, 393-403		50
1894	Spin polarized quantum dot light emitters.		
1893	Stability of Half-Metallic Ferromagnetism of Zinc-Blende Type CrAs and MnM(M=Si, Ge and Sn). 2002 , 71, 2534-2538		25
1892	Ferromagnetic resonance in GaMnAs. 2002 , 91, 7484		25
1891	Curie temperature trends in (III,Mn)V ferromagnetic semiconductors. 2002 , 66,		119

1890	Ferromagnetic semiconductors. 2002 , 17, 377-392		609
1889	Diluted magnetic semiconductors based on $Sb_{2-x}V_xTe_3$ (0.01). 2002 , 65,		113
1888	Ferromagnetic III-V Semiconductors and Their Heterostructures. 2002 , 1-30		15
1887	Room-temperature magnetism in Cr-doped AlN semiconductor films. <i>Applied Physics Letters</i> , 2002 , 81, 2418-2420	3-4	130
1886	Electronic structures of doped anatase TiO_2 : $Ti_{1-x}M_xO_2$ (M=Co, Mn, Fe, Ni). 2002 , 65,		167
1885	Exchange interactions and Curie temperature in $(Ga,Mn)As$. 2002 , 66,		91
1884	Spin waves in disordered III-V diluted magnetic semiconductors by a modified RPA approach. 2002 , 66,		22
1883	Transport properties of Mn doped GaAs and the effect of selective doping. <i>Applied Physics Letters</i> , 2002 , 80, 3120-3122	3-4	34
1882	High-Curie-temperature $Ga_{1-x}Mn_xAs$ obtained by resistance-monitored annealing. <i>Applied Physics Letters</i> , 2002 , 81, 4991-4993	3-4	306
1881	Fabrication, magnetic properties, and electronic structures of nanoscale zinc-blende MnAs dots (invited). 2002 , 91, 8088		122
1880	Electronic structure of Mn ions in $(Ga,Mn)As$ diluted magnetic semiconductor. 2002 , 66,		33
1879	Defect-induced magnetic structure in $(Ga_{1-x}Mn_x)As$. 2002 , 88, 187202		104
1878	Magnetization reversal in GaMnAs layers studied by Kerr effect. <i>Applied Physics Letters</i> , 2002 , 81, 2806-2808	3-4	58
1877	Measurements of strongly anisotropic g factors for spins in single quantum states. 2002 , 89, 156802		20
1876	Anomalous Hall effect in ferromagnetic semiconductors. 2002 , 88, 207208		618
1875	Hole concentration in a diluted ferromagnetic semiconductor. 2002 , 14, 3751-3757		7
1874	Ultrafast optical manipulation of ferromagnetic order in InMnAs/GaSb.		
1873	Correlation of structure and magnetism in GaAs with embedded Mn(Ga)As magnetic nanoclusters. 2002 , 92, 4672-4677		124

1872	Ferromagnetism and interlayer exchange coupling in short-period (Ga,Mn)As/GaAs superlattices. <i>Applied Physics Letters</i> , 2002 , 81, 3013-3015	3-4	26
1871	Magneto-optical studies of ferromagnetism in the II-VI diluted magnetic semiconductor Zn _{1-x} Cr _x Te. 2002 , 66,		54
1870	Epitaxial growth of zinc-blende CrAs/GaAs multilayer. 2002 , 91, 7917		92
1869	Magnetic properties of n-GaMnN thin films. <i>Applied Physics Letters</i> , 2002 , 80, 3964-3966	3-4	310
1868	Growth and characterization of Al _{1-x} Mn _x As (x \geq 4%) magnetic semiconductor: thin film and superlattices. 2002 , 242-245, 967-969		16
1867	Annealing-Induced Changes in Electrical, Optical, and Magnetic Properties of Phosphorus Doped Bulk Zn _{1-x} Mn _x Te. 2002 , 229, 53-56		8
1866	Ferromagnetism in II-VI Compounds. 2002 , 229, 665-672		19
1865	Magnetic Characterisation of Highly Doped MBE Grown Be _{1-x} Mn _x Te and Bulk Zn _{1-x} Mn _x Te. 2002 , 229, 717-721		15
1864	Spin-Dependent Transport in Heavily Mn-Doped GaAs II: Effect of Collisional Broadening. 2002 , 231, 512-518		2
1863	Optimization of GaMnAs growth in low temperature molecular beam epitaxy. 2002 , 8, 177-181		14
1862	Magnetism in SiC implanted with high doses of Fe and Mn. 2002 , 31, 336-339		10
1861	Mean-field approach to disorder effects on ferromagnetism in Ga _{1-x} Mn _x As. 2002 , 312-313, 815-817		13
1860	Low-temperature ferromagnetism and magnetic anisotropy in the novel diluted magnetic semiconductor Sb _{2-x} V _x Te ₃ . 2002 , 312-313, 820-822		12
1859	Control of ferromagnetism in field-effect transistor of a magnetic semiconductor. 2002 , 12, 351-355		30
1858	Transport and magnetic properties of ferromagnetic GaAs/Mn digital alloys. 2002 , 12, 366-369		20
1857	Collective spin fluctuations in diluted magnetic semiconductors. 2002 , 12, 379-382		3
1856	Valence band barrier at (Ga,Mn)As/GaAs interfaces. 2002 , 13, 521-524		28
1855	Magneto-optical properties of a Si-doped GaAs:MnAs-based magneto-photonic crystal operating at 1.55 μ m. 2002 , 13, 597-601		9

1854	Formation, properties and photoelectron spectroscopy of magnetic nanostructures. 2002 , 124, 165-174	6
1853	Materials by design and the exciting role of quantum computation/simulation. 2002 , 149, 27-56	20
1852	Ferromagnetic semiconductors for spin electronics. 2002 , 242-245, 105-107	10
1851	First-principles prediction of a new class of ferromagnetic semiconductors. 2002 , 246, 145-150	30
1850	Hybrid epitaxial structures for spintronics. 2002 , 412, 3-13	30
1849	Ferromagnetic GaMnAs/GaAs superlattices MBE growth and magnetic properties. 2002 , 412, 122-128	22
1848	Microscopic identification of dopant atoms in Mn-doped GaAs layers. 2002 , 121, 79-82	18
1847	High temperature (>400K) ferromagnetism in III \bar{V} -based diluted magnetic semiconductor GaCrN grown by ECR molecular-beam epitaxy. 2002 , 122, 37-39	180
1846	Room-temperature observation of ferromagnetism in diluted magnetic semiconductor GaGdN grown by RF-molecular beam epitaxy. 2002 , 122, 651-653	150
1845	Room temperature ferromagnetic (Ga,Mn)N epitaxial films with low Mn concentration grown by plasma-enhanced molecular beam epitaxy. 2002 , 124, 11-14	42
1844	Influence of nitrogen incorporation on structural, electronic and magnetic properties of Ga $\bar{1}$ MnxAs. 2002 , 124, 207-210	8
1843	STM and RHEED studies on low-temperature growth of GaAs(). 2002 , 514, 350-355	3
1842	Combinatorial molecular beam epitaxy synthesis and characterization of magnetic alloys. 2002 , 189, 333-338	19
1841	Metal-insulator transition in (Ga, Mn)As. 2002 , 63, 1315-1318	
1840	(Ga,Mn,As) compounds grown on semi-insulating GaAs with mass-analyzed low energy dual ion beam deposition. 2002 , 234, 359-363	10
1839	Preparation of ferromagnetic (In,Mn)As with relatively low hole concentration and Curie temperature 50 K. 2002 , 237-239, 1326-1330	28
1838	Effect of low-temperature annealing on the crystallinity of III \bar{V} -based diluted magnetic semiconductors. 2002 , 237-239, 1334-1338	5
1837	Growth and properties of (Ga,Mn)As on Si (100) substrate. 2002 , 237-239, 1349-1352	11

1836	Molecular beam epitaxy of (Ga,Mn)N. 2002 , 237-239, 1353-1357	36
1835	Tetrahedral covalent radius of Mn in $Al_{1-x}Mn_xBVI$ and $Al_{1-x}Mn_xBV$ compounds [Supplement to the paper: Chem. Phys. Lett. 350 (2001) 577. 2002 , 359, 516-519	4
1834	Semiconductor spintronics. 2002 , 1, 19-31	101
1833	A group-IV ferromagnetic semiconductor: Mn_xGe_{1-x} . 2002 , 295, 651-4	1465
1832	Magnetic properties of (Al,Ga,Mn)As. <i>Applied Physics Letters</i> , 2002 , 81, 2590-2592	3-4 54
1831	Temperature-dependent magnetization in diluted magnetic semiconductors. 2003 , 67,	259
1830	Electronic structure and origin of ferromagnetism in $Ga_{1-x}Mn_xAs$ semiconductors. 2003 , 340-342, 874-877	9
1829	ESR study of Co-doped TiO_2 thin films. 2003 , 258-259, 361-364	41
1828	MBE growth and properties of room-temperature (Ga,Mn)N/ Mn_4N granular magnetic semiconductors. 2003 , 258-259, 323-325	9
1827	Maskless Mn implantation in GaAs using focused Mn ion beam. 2003 , 206, 1013-1017	2
1826	Overgrowth experiments of ferromagnetic (MnGa)As-cluster layers by MOVPE. 2003 , 248, 474-478	22
1825	Molecular beam epitaxy and properties of ferromagnetic $III_{1-x}V_x$ semiconductors. 2003 , 251, 285-291	32
1824	The growth of GaMnAs films by molecular beam epitaxy using arsenic dimers. 2003 , 251, 311-316	42
1823	(Ga,Mn,N) compounds growth with mass-analyzed low energy dual ion beam deposition. 2003 , 252, 202-207	2
1822	Liquid phase epitaxial growth and characterization of $Ga_{1-x}Mn_xAs$ layers on (1 0 0) GaAs substrate. 2003 , 252, 152-158	3
1821	Effects of Mn flux on ferromagnetic properties of (Ga,Mn)N films grown by PEMBE. 2003 , 128, 119-123	2
1820	Diluted magnetic semiconductors formed by ion implantation and pulsed-laser melting. 2003 , 340-342, 908-912	25
1819	Electronic properties of Mn acceptors in (In,Mn)As grown by metalorganic vapor phase epitaxy. 2003 , 340-342, 870-873	10

1818	Magnetic impurities and materials design for semiconductor spintronics. 2003 , 340-342, 863-869	66
1817	Observation of optical properties related to room-temperature ferromagnetism in co-sputtered Zn _{1-x} O thin films. 2003 , 125, 231-235	98
1816	How to make semiconductors ferromagnetic: a first course on spintronics. 2003 , 127, 99-107	50
1815	Hybrid ferromagnetic/semiconductor heterostructures for spintronics. 2003 , 127, 173-179	26
1814	A (10 $\bar{1}$ 0) domain wall structure induced by Mn adsorption on the pseudo-(1 $\bar{1}$) surface of GaN(0001). 2003 , 522, L21-L26	6
1813	Ferromagnetic ordering of n-type (Ga,Mn)N epitaxial films. 2003 , 69, 283-287	14
1812	Growth and annealing effect of ferromagnetic (Ga, Mn)As on Si(1 0 0) substrates. 2003 , 216, 607-613	9
1811	Polarized neutron reflectivity studies of magnetic semiconductor superlattices. 2003 , 335, 44-49	4
1810	Spin degree of freedom in ferromagnetic semiconductor heterostructures. 2003 , 16, 104-110	4
1809	Magneto-optical Kerr effect study of GaMnAs layers. 2003 , 17, 349-351	
1808	Research on the Mn-implanted GaN with ferromagnetism at room temperature. 2003 , 23, 163-167	7
1807	Advances in wide bandgap materials for semiconductor spintronics. 2003 , 40, 137-168	375
1806	Room-temperature ferromagnetism in Cr-doped GaN films grown by MOMBE on GaAs(111)A substrates. 2003 , 2860-2863	13
1805	Co-implantation of Mn + N into p-type GaN for high TC ferromagnetism. 2003 , 2878-2881	2
1804	High-quality GaMnAs films grown with arsenic dimers. 2003 , 247, 42-48	84
1803	MBE growth and properties of GaCrN. 2003 , 251, 327-330	39
1802	Magnetic properties of Mn-doped GaN, InGaN, and AlGaN. 2003 , 798, 742	
1801	Electronic structure and carrier dynamics of the ferromagnetic semiconductor Ga _{1-x} Mn _x As. 2003 , 68,	58

1800	Magnetic and thermal properties of iron-doped lead telluride. 2003 , 67,		20
1799	Highly enhanced Curie temperature in low-temperature annealed [Ga,Mn]As epilayers. <i>Applied Physics Letters</i> , 2003 , 82, 2302-2304	3-4	281
1798	Effect of annealing on carrier density and Curie temperature in epitaxial (Ga,Mn)As thin films. <i>Applied Physics Letters</i> , 2003 , 82, 2287-2289	3-4	35
1797	Collective character of spin excitations in a system of Mn ²⁺ spins coupled to a two-dimensional electron gas. 2003 , 91, 077201		34
1796	Wide band gap ferromagnetic semiconductors and oxides. 2003 , 93, 1-13		918
1795	Magneto-optical studies of s,pd exchange interactions in GaN:Mn with room-temperature ferromagnetism. <i>Applied Physics Letters</i> , 2003 , 82, 100-102	3-4	136
1794	Magnetization of ultrathin (Ga,Mn)As layers. 2003 , 68,		16
1793	Effective exchange interaction and Curie temperature in magnetic semiconductors. 2003 , 67,		11
1792	Curie temperatures of IIIIV diluted magnetic semiconductors calculated from first principles. 2003 , 61, 403-408		286
1791	Adsorption of Organic Phosphate as a Means To Bind Biological Molecules to GaAs Surfaces. 2003 , 19, 7392-7398		25
1790	Magnetic properties of substitutional 3d transition metal impurities in silicon carbide. 2003 , 68,		71
1789	Magnetic and transport percolation in diluted magnetic semiconductors. 2003 , 68,		95
1788	Ferromagnetic IIIIV and IIIV Semiconductors. 2003 , 28, 714-719		90
1787	Progress toward electrical injection of spin-polarized electrons into semiconductors. 2003 , 91, 727-740		110
1786	New materials for semiconductor spin-electronics. 2003 , 91, 715-726		52
1785	Carrier-density dependence of magnetic and magneto-optical properties of (Ga,Mn)As. 2003 , 67,		21
1784	Electronic structure, exchange interactions, and Curie temperature in diluted III-V magnetic semiconductors: (GaCr)As, (GaMn)As, (GaFe)As. 2003 , 67,		66
1783	Temperature-dependent optical studies of Ti1-xCoxO2. <i>Applied Physics Letters</i> , 2003 , 83, 3296-3298	3-4	16

1782	Effect of additional nonmagnetic acceptor doping on the resistivity peak and the Curie temperature of Ga _{1-x} MnxAs epitaxial layers. <i>Applied Physics Letters</i> , 2003 , 82, 1206-1208	3-4	50
1781	Magnetic interactions and transport in (Ga,Cr)As. 2003 , 67,		14
1780	Microstructural, optical, and magnetic properties of Mn-implanted p-type GaN. 2003 , 93, 9024-9029		16
1779	Room-temperature ferromagnetism in highly Cr-doped II-VI diluted magnetic semiconductor Zn _{1-x} Cr _x Te. 2003 , 93, 6796-6798		52
1778	Magnetism of Co-doped titania thin films prepared by spray pyrolysis. <i>Applied Physics Letters</i> , 2003 , 83, 111-113	3-4	85
1777	Ferromagnetism and high Curie temperature in semiconductor heterostructures with Mn doped GaAs and p-type selective doping. 2003 , 67,		220
1776	Magnetic and electronic structure of (Ga _{1-x} Mnx)As. 2003 , 67,		61
1775	Modeling of ferromagnetic semiconductor devices for spintronics. 2003 , 93, 9845-9864		61
1774	Room-temperature ferromagnetism in a II-VI diluted magnetic semiconductor Zn(1-x)Cr(x)Te. 2003 , 90, 207202		366
1773	Disorder effects in diluted magnetic semiconductors. 2003 , 15, R1865-R1896		114
1772	Ferromagnetism in ZnO codoped with transition metals: Zn _{1-x} (FeCo) _x O and Zn _{1-x} (FeCu) _x O. 2003 , 68,		177
1771	Independent electronic and magnetic doping in (Ga,Mn)As based digital ferromagnetic heterostructures. 2003 , 68,		28
1770	Observation of sphere resonance peak in ferromagnetic GaN:Mn. <i>Applied Physics Letters</i> , 2003 , 82, 4749-4751	3-4	33
1769	Transition from granular to dilute magnetic semiconducting multilayers in ion-beam-deposited ZnO/Co. <i>Applied Physics Letters</i> , 2003 , 83, 4357-4359	3-4	39
1768	Magnetic properties of heavily Mn-doped quaternary alloy ferromagnetic semiconductor (InGaMn)As grown on InP. <i>Applied Physics Letters</i> , 2003 , 83, 2175-2177	3-4	41
1767	On the nature of ferromagnetism in diluted magnetic semiconductors: GaAs:Mn. 2003 , 61, 235-241		35
1766	Cross-sectional scanning tunneling microscopy of Mn-doped GaAs: Theory and experiment. 2003 , 68,		42
1765	Non-Drude optical conductivity of (III,Mn)V ferromagnetic semiconductors. 2003 , 67,		26

1764	Element resolved spin configuration in ferromagnetic manganese-doped gallium arsenide. 2003 , 91, 187203		64
1763	Density functional theory of high-TC ferromagnetism of (ZnCr)Te. 2003 , 15, L585-L590		21
1762	Application of Diluted Magnetic Semiconductors and Quantum Dots to Spin Polarized Light Sources. 2003 , 794, 20		1
1761	Synthesis and characterization of high quality ferromagnetic Cr-doped GaN and AlN thin films with Curie temperatures above 900K. 2003 , 798, 12		3
1760	Capping-induced suppression of annealing effects on Ga _{1-x} MnxAs epilayers. <i>Applied Physics Letters</i> , 2003 , 83, 4568-4570	3-4	44
1759	Magnetic ordering and distribution of Co in GaN. 2003 , 68,		7
1758	Comment on Ferromagnetism in Cr-doped Ge [Appl. Phys. Lett. 81, 3606 (2002)]. <i>Applied Physics Letters</i> , 2003 , 83, 2716-2717	3-4	15
1757	Co-doped La _{0.5} Sr _{0.5} TiO ₃ Diluted magnetic oxide system with high Curie temperature. <i>Applied Physics Letters</i> , 2003 , 83, 2199-2201	3-4	52
1756	Observation of the spin-charge thermal isolation of ferromagnetic Ga _{0.94} Mn _{0.06} As by time-resolved magneto-optical measurements. 2003 , 68,		52
1755	Manganese nanoclusters and nanowires on GaAs surfaces. 2003 , 67,		
1754	Ferromagnetism and metallic state in digital (Ga,Mn)As heterostructures. 2003 , 68,		20
1753	Spin-polarizing properties of the InAs/(AlSb)/GaMnSb/(AlSb)/InAs ferromagnetic resonant interband tunneling diode. 2003 , 67,		22
1752	Influence of growth conditions on the lattice constant and composition of (Ga,Mn)As. <i>Applied Physics Letters</i> , 2003 , 82, 4678-4680	3-4	26
1751	Electronic and magnetic properties of MnAs nanoclusters studied by x-ray absorption spectroscopy and x-ray magnetic circular dichroism. <i>Applied Physics Letters</i> , 2003 , 83, 5485-5487	3-4	9
1750	Ferromagnetic properties of IV-VI diluted magnetic semiconductor Ge _{1-x} MnxTe films prepared by radio frequency sputtering. 2003 , 93, 4034-4039		43
1749	Effect of microstructural change on magnetic property of Mn-implanted p-type GaN. <i>Applied Physics Letters</i> , 2003 , 82, 583-585	3-4	65
1748	Nanoscale observation of room-temperature ferromagnetism on ultrathin (La,Ba)MnO ₃ films. <i>Applied Physics Letters</i> , 2003 , 83, 1184-1186	3-4	30
1747	Native hole traps of ferromagnetic Ga _{1-x} MnxAs layers on (100) GaAs substrates. <i>Applied Physics Letters</i> , 2003 , 83, 4354-4356	3-4	1

1746	Synthesis, characterization, and modeling of high quality ferromagnetic Cr-doped AlN thin films. <i>Applied Physics Letters</i> , 2003 , 82, 3047-3049	3-4	159
1745	Ferromagnetism in a dilute magnetic semiconductor: Generalized RKKY interaction and spin-wave excitations. 2003 , 68,		21
1744	Electronic states and cyclotron resonance in n-type InMnAs. 2003 , 68,		43
1743	Theoretical search for spintronic and electrochromic device materials based on Li-intercalated transition-metal-doped anatase TiO ₂ . 2003 , 68,		14
1742	Modification of ferromagnetism in semiconductors by molecular monolayers. <i>Applied Physics Letters</i> , 2003 , 83, 4211-4213	3-4	21
1741	Disorder-induced noncollinear ferromagnetism in models for (III,Mn)V semiconductors. 2003 , 67,		30
1740	Ferromagnetic transition temperature enhancement in (Ga,Mn)As semiconductors by carbon codoping. 2003 , 68,		21
1739	Theoretical investigation of a possible Mn _x Si _{1-x} ferromagnetic semiconductor. 2003 , 68,		42
1738	Digitally doped magnetic resonant tunneling devices: High tunneling magnetoresistance systems. 2003 , 93, 7355-7357		2
1737	Relation among concentrations of incorporated Mn atoms, ionized Mn acceptors, and holes in p-(Ga,Mn)As epilayers. 2003 , 93, 4603-4609		47
1736	Predicted absence of ferromagnetism in manganese-doped diamond. 2003 , 68,		27
1735	Magnetic-field effects in defect-controlled ferromagnetic Ga _{1-x} Mn _x As semiconductors. 2003 , 93, 1845-1847		2
1734	Optical properties of Mn-doped GaAs layers grown on (100) GaAs substrate. 2003 , 93, 2544-2548		5
1733	Indication of hysteresis in AlMnN. <i>Applied Physics Letters</i> , 2003 , 83, 1758-1760	3-4	80
1732	Magnetic anisotropy and switching process in diluted Ga _{1-x} Mn _x As magnetic semiconductor films. 2003 , 94, 4530-4534		64
1731	Anomalous Hall effect in ferromagnetic semiconductors in the hopping transport regime. 2003 , 91, 057202		53
1730	Extraordinary Hall effect and ferromagnetism in Fe-doped reduced rutile. <i>Applied Physics Letters</i> , 2003 , 83, 518-520	3-4	132
1729	Carrier-mediated ferromagnetic ordering in Mn ion-implanted p+GaAs:C. 2003 , 68,		22

1728	Local environment surrounding ferromagnetically ordered Mn in Mn/GaAs digital alloys and (Mn, Ga)As random alloys. 2003 , 67,		38
1727	Variations of long- and short-range-order structural and magnetic properties of thermally annealed Mn/GaAs digital alloys. <i>Applied Physics Letters</i> , 2003 , 83, 2354-2356	3-4	16
1726	Intrasubband spin-flip relaxation by one-magnon processes in Cd _{1-x} MnxTe quantum wells. 2003 , 68,		6
1725	Magnetic and transport properties of the V ₂ V ₃ diluted magnetic semiconductor Sb _{2-x} MnxTe ₃ . 2003 , 94, 7631		33
1724	Effect of microstructural evolution on magnetic property of Mn-implanted p-type GaN. <i>Applied Physics Letters</i> , 2003 , 83, 2632-2634	3-4	19
1723	Electronic and magnetic properties of MnN versus MnAs. <i>Applied Physics Letters</i> , 2003 , 82, 766-768	3-4	40
1722	Exchange interactions in (ZnMn)Se: LDA and LDA+U calculations. 2003 , 68,		19
1721	Nanoscale zeeman localization of charge carriers in diluted magnetic semiconductor-permalloy hybrids. 2003 , 90, 246804		29
1720	Transmission electron microscopy study on ferromagnetic (Ga,Mn)N epitaxial films. 2003 , 93, 7858-7860		20
1719	Characterization of bulk crystals of transition metal doped ZnO for spintronic applications. 2003 , 799, 30		2
1718	Magnetic Interactions and Spin Transport. 2003 ,		3
1717	Nondestructive Characterization of Nanostructure in Layered Materials Using Synchrotron Radiation. 2003 , 02, 85-107		1
1716	Terahertz dynamics of photogenerated carriers in ferromagnetic InGaMnAs. 2003 , 93, 8286-8288		5
1715	High Spin Polarization of Conduction Band Electrons in GaAs-GaAsP Strained Layer Superlattice Fabricated as a Spin-Polarized Electron Source. 2004 , 43, 3371-3375		7
1714	Magnetization Reversal Process of Submicrometer-Scale Hall Bars of Ferromagnetic Semiconductorp-In _{0.97} Mn _{0.03} As. 2004 , 43, 2097-2100		
1713	Magnetism of cubic MnGaAs compounds: anab initiostudy. 2004 , 16, 5869-5882		2
1712	Computation of electrical conductance in nano-scale junctions for device applications. 2004 , 16, S5563-S5570		2
1711	Enhancement of the Ferromagnetic Transition Temperature in Self-Assembled (Ga _{1-x} Mnx)As Quantum Wires. 2004 , 43, L963-L965		5

1710	GaN-based magnetic semiconductors for nanospintronics. 2004 , 16, S5555-S5562		54
1709	Electronic structure and magnetic moment formation in MnGaAs alloys. 2004 , 16, S5661-S5667		
1708	Enhancement of TC by a carrier codoping method with size compensation for nitride-based ferromagnetic dilute magnetic semiconductors. 2004 , 16, S5705-S5709		6
1707	Magnetic, optical and transport properties of GaN-based ferromagnetic/nonmagnetic semiconductor heterostructures. 2004 , 16, S5711-S5716		5
1706	Surface effects in Mn L _{3,2} x-ray absorption spectra from (Ga,Mn)As. <i>Applied Physics Letters</i> , 2004 , 84, 4065-4067	3-4	80
1705	Comparison of predicted ferromagnetic tendencies of Mn substituting the Ga site in III-V and in II-VI chalcopyrite semiconductors. <i>Applied Physics Letters</i> , 2004 , 84, 3753-3755	3-4	30
1704	Stabilization of substitutional Mn in silicon-based semiconductors. 2004 , 70,		38
1703	Magnetic properties of MnGeAsP films grown on GaAs (100) by molecular beam epitaxy. 2004 , 95, 6515-6517	2	
1702	Observation of ferromagnetism above 900K in CrGaN and CrAlN. <i>Applied Physics Letters</i> , 2004 , 85, 4076-4078	3-4	182
1701	Anisotropic magneto-optical effects in (CdTe) _{0.5} (Cd _{0.75} Mn _{0.25} Te) _{0.5} tilted superlattices. 2004 , 69,		9
1700	Influence of defects on the lattice constant of GaMnAs. 2004 , 69,		55
1699	Observation of photoluminescence emission in ferromagnetic semiconductor GaCrN. <i>Applied Physics Letters</i> , 2004 , 84, 4191-4193	3-4	18
1698	Optical and magnetic properties of Mn ⁺ -implanted GaAs. 2004 , 96, 7022-7028		16
1697	Anomalous magnetic properties and Hall effect in ferromagnetic Co ₂ MnAl epilayers. <i>Applied Physics Letters</i> , 2004 , 84, 4301-4303	3-4	27
1696	Annealing-dependent magnetic depth profile in Ga _{1-x} MnxAs. 2004 , 69,		47
1695	Anomalous behavior of spin-wave resonances in Ga _{1-x} MnxAs thin films. 2004 , 69,		44
1694	Epitaxial growth of the diluted magnetic semiconductors CrGe _{1-x} and CrMnxGe _{1-x} . <i>Applied Physics Letters</i> , 2004 , 84, 1725-1727	3-4	27
1693	Room-temperature ferromagnetism in manganese doped reduced rutile titanium dioxide thin films. 2004 , 95, 7384-7386		71

1692	Spiral exchange interaction in diluted magnetic semiconductor junction. <i>Applied Physics Letters</i> , 2004 , 84, 2862-2864	3-4	8
1691	Ultrafast optical and magneto-optical studies of IIIV ferromagnetic semiconductors. 2004 , 51, 2771-2780		21
1690	Structural and magnetic phase stability of SiIVMnAs superlattices: Tetragonal-distortion-induced ferromagnetism and half-metallicity. <i>Applied Physics Letters</i> , 2004 , 85, 4983-4985	3-4	7
1689	Doping-dependent changes in nitrogen 2p states in the diluted magnetic semiconductor Ga1-xCr _x N. 2004 , 70,		15
1688	Measurement of spin polarization by Andreev reflection in ferromagnetic In1-xMnxSb epilayers. <i>Applied Physics Letters</i> , 2004 , 84, 4947-4949	3-4	21
1687	Contrasting growth modes of Mn on Ge(100) and Ge(111) surfaces: subsurface segregation versus intermixing. 2004 , 93, 126102		56
1686	Interfacial reactions of Mn/GaAs thin films. <i>Applied Physics Letters</i> , 2004 , 84, 3145-3147	3-4	31
1685	Target system for fabrication and control of magnetic metal content in diluted magnetic semiconductors by pulsed-laser deposition. 2004 , 22, 2096-2100		3
1684	Spatial distribution and electronic state of Co in epitaxial anatase CoxTi1-xO2 thin films grown by reactive sputtering. <i>Applied Physics Letters</i> , 2004 , 84, 2608-2610	3-4	59
1683	Control of the magnetic anisotropy of epitaxially grown MnAs/GaAs ferromagnet-semiconductor hybrid superlattices. <i>Applied Physics Letters</i> , 2004 , 85, 4079-4081	3-4	10
1682	Mean-field approach to ferromagnetism in (III,Mn)V diluted magnetic semiconductors at low carrier densities. 2004 , 69,		48
1681	Disorder in diluted spin systems. 2004 , 70,		36
1680	Passivation of Mn acceptors in GaMnAs. <i>Applied Physics Letters</i> , 2004 , 84, 2277-2279	3-4	31
1679	Density-dependent electronic structure of zinc-blende-type MnAs dots on GaAs(001) studied by in situ photoemission spectroscopy. 2004 , 70,		21
1678	Dielectric function of diluted magnetic semiconductors in the infrared regime. 2004 , 70,		6
1677	Enhancing Tc in ferromagnetic semiconductors. 2004 , 70,		20
1676	Resonant photoemission of Ga1-xMnxAs at the Mn L edge. 2004 , 69,		42
1675	Spin disorder scattering mechanism of ferromagnetic Ga1-xMnxAs layers on (100) GaAs substrates. 2004 , 95, 3607-3611		14

- 1674 Softening of spin resonance at low temperature in p-doped Cd_{1-x}MnxTe quantum wells. **2004**, 70, 11
- 1673 Epitaxial growth and magnetic properties of half-metallic Fe₃O₄ on GaAs(100). **2004**, 70, 77
- 1672 Magnetic anisotropy and transport properties of epitaxially grown MnAs/GaAs digital alloys. **2004**, 95, 7288-7290 6
- 1671 Ferromagnetism and coupling between charge carriers and magnetization at room temperature in GeMnAs multilayers. *Applied Physics Letters*, **2004**, 85, 3169-3171 3-4 1
- 1670 The search for new spintronic materials: half-metallic antiferromagnets and diluted magnetic semiconductors. **2004**, 16, S5509-S5516 6
- 1669 An Introduction to Semiconductor Spintronics. **2004**, 58, 1-72 15
- 1668 Magnetotransport in Ferromagnetic (Ga,Mn)N Epitaxial Films. **2004**, 449-452, 1041-1044
- 1667 Synthesis and Properties of Ga_xMn_{1-x}N films. **2004**, 831, 702
- 1666 Anomalous Hall Effect in Manganese Ion-Implanted Highly Carbon-Doped Gallium Arsenide. **2004**, 7, G182
- 1665 Effects of defects on the electrical and magnetic properties of Ga_{1-x}MnxAs layer. **2004**, 853, 55
- 1664 Impact of Manganese incorporation on the structural and magnetic properties of MOCVD-grown Ga_{1-x}MnxN. **2004**, 831, 708
- 1663 X-Ray Magnetic Circular Dichroism and Structural Model for Co-Doped TiO₂(Anatase) Thin Film. **2004**, 73, 800-803 7
- 1662 Large anomalous Hall effect in a silicon-based magnetic semiconductor. **2004**, 3, 255-62 175
- 1661 On the origin of high-temperature ferromagnetism in the low-temperature-processed Mn-Zn-O system. **2004**, 3, 709-14 444
- 1660 Ferromagnetism of 3d-impurities substituted in Ge. **2004**, 284, 253-259 7
- 1659 Spintronics: Fundamentals and applications. **2004**, 76, 323-410 8168
- 1658 Initial stages of Mn adsorption on Ge(111). **2004**, 70, 52
- 1657 Room-temperature ferromagnetism of (Ga,Mn)N films: effects of Ga flux and growth temperature. **2004**, 260, 85-90

1656	Investigation of Mn-implanted n-type Ge. 2004 , 265, 466-470	11
1655	MBE growth and properties of InN-based dilute magnetic semiconductors. 2004 , 269, 66-71	23
1654	Preparation Ga _x Mn _{1-x} N DMS materials using HVPE method. 2004 , 269, 270-275	14
1653	THz spectroscopy of diluted magnetic semiconductors and semiconductor quantum structures in ultrahigh magnetic fields. 2004 , 20, 360-369	
1652	Ultrafast softening in InMnAs. 2004 , 20, 412-418	18
1651	Magneto-optical properties and Curie temperature of heavily Mn-doped quaternary alloy ferromagnetic semiconductor (InGaMn)As grown on InP. 2004 , 21, 975-977	
1650	Synthesis of new pure ferromagnetic semiconductors: MnGeP ₂ and MnGeAs ₂ . 2004 , 129, 609-613	42
1649	Interplay of local structure and magnetism in Co-doped TiO ₂ anatase. 2004 , 129, 741-746	41
1648	InMnN: a nitride-based diluted magnetic semiconductor. 2004 , 130, 25-29	12
1647	A Hall coefficient investigation of ferromagnetic Ga _{1-x} Mn _x As layers on (100) GaAs substrates. 2004 , 130, 627-630	4
1646	Magneto-electronic properties of Ge _{1-x} Mn _x thin films grown by MBE. 2004 , 272-276, E1539-E1540	5
1645	Heat treatment effect on magnetic properties of polycrystalline Si _{1-x} Mn _x semiconductors grown by MBE. 2004 , 282, 240-243	25
1644	Magnetic and magnetotransport properties in the n-type (Ga,Mn)N thin films. 2004 , 33, 114-117	
1643	Magnetic properties of amorphous Ge _{1-x} thin films fabricated by thermal evaporation. 2004 , 241, 1521-1524	14
1642	Spectroscopic ellipsometric studies of the dielectric function of Cd _{1-x} Mn _x FeyTe single crystals. 2004 , 241, 1710-1713	
1641	Localization of electronic eigenstates and spin waves in diluted magnetic semiconductors at low carrier densities. 2004 , 241, 2055-2064	1
1640	Structural, electrical transport and magnetic properties of the Co-doped La _{0.5} Sr _{0.5} TiO ₃ at high temperatures. 2004 , 468, 8-11	12
1639	Magnetism in nanometer-thick TiO _x /Co/TiO _x /TiN/Si multilayered structures. 2004 , 131, 463-467	1

1638	Adsorption of Mn atoms on the Si(1 0 0) surface. 2004 , 566-568, 688-692	9
1637	Mechanisms of double magnetic exchange in dilute magnetic semiconductors. 2004 , 272-276, 1967-1968	8
1636	Magnetotransport properties of short period GaMnAs/InGaAs superlattices. 2004 , 272-276, E1429-E1430	2
1635	Ferromagnetic semiconductor heterostructures. 2004 , 272-276, 1-6	13
1634	Magnetic phases in polycrystalline Si _{1-x} Mnx semiconductors grown by MBE. 2004 , 282, 244-247	8
1633	Annealing effect on magnetic and electronic properties of polycrystalline Ge _{1-x} Mnx semiconductors grown by MBE. 2004 , 282, 385-388	13
1632	The magnetic and structure properties of room-temperature ferromagnetic semiconductor (Ga,Mn)N. 2004 , 262, 287-289	15
1631	FexSi grown with mass-analyzed low-energy dual ion beam deposition. 2004 , 263, 143-147	
1630	Mn implanted GaAs by low energy ion beam deposition. 2004 , 264, 31-35	6
1629	Formation of ferromagnetic clusters in GaAs matrix and GaAs/AlGaAs superlattice through Mn ion implantation at two different temperatures. 2004 , 268, 12-17	2
1628	Thermal annealing effects on the magnetic properties of (Ga _{1-x} Mnx)As thin films grown on GaAs (100) substrates. 2004 , 270, 174-178	3
1627	Magnetic properties of Mn-implanted n-type Ge. 2004 , 273, 106-110	13
1626	Local structural change in GaCrN grown by radio frequency plasma-assisted molecular-beam epitaxy. 2004 , 273, 149-155	15
1625	Electron-active cyclotron resonance in p-doped InMnAs in high magnetic fields. 2004 , 20, 374-377	2
1624	High-field cyclotron resonance studies of InMnAs-based ferromagnetic semiconductor heterostructures. 2004 , 21, 978-982	7
1623	MBE growth and magnetic properties of InMnN diluted magnetic semiconductor. 2004 , 21, 983-986	10
1622	Determination of hole-induced ferromagnetic Mn-Mn exchange in p-type Zn _{1-x} MnxTe by inelastic neutron scattering. 2004 , 350, 36-39	3
1621	Self-assembled (In _{1-x} Mnx)As diluted magnetic semiconductor quantum dots with high T _c . 2004 , 4, 213-216	3

1620	Ellipsometric study of the electronic structure of Ga _{1-x} MnxAs and low-temperature GaAs. 2004 , 70,		72
1619	High Curie temperatures in ferromagnetic Cr-doped AlN thin films. <i>Applied Physics Letters</i> , 2004 , 84, 5004-5006	3-4	114
1618	Magnetoresistance in GaCrN-based ferromagnet/nonmagnet/ferromagnet trilayer structures. 2004 ,		
1617	Wide bandgap GaN-based semiconductors for spintronics. 2004 , 16, R209-R245		106
1616	Low Temperature Ferromagnetism of GaMnN Grown on 6H-SiC (0001) by Molecular Beam Epitaxy.		
1615	Enhancement of magnetic properties by nitrogen implantation to Mn-implanted p-type GaN. <i>Applied Physics Letters</i> , 2004 , 84, 1120-1122	3-4	31
1614	Ferromagnetic properties of MnAs/Ge multilayers grown by molecular beam epitaxy. 2004 , 95, 6562-6564		3
1613	Uniaxial in-plane magnetic anisotropy of Ga _{1-x} MnxAs. <i>Applied Physics Letters</i> , 2004 , 85, 260-262	3-4	80
1612	A GaMn liquid metal ion source for spintronic device fabrication. 2004 , 73-74, 111-115		2
1611	Local structure around Mn atoms in room-temperature ferromagnetic (In,Mn)As thin films probed by extended x-ray absorption fine structure. <i>Applied Physics Letters</i> , 2004 , 84, 481-483	3-4	45
1610	Structural and magnetic properties of a series of low-doped Zn _{1-x} CoxO thin films deposited from Zn and Co metal targets on (0001) Al ₂ O ₃ substrates. 2004 , 95, 7187-7189		47
1609	Picosecond dynamics of the photoinduced spin polarization in epitaxial (Ga,Mn)as films. 2004 , 92, 237203		54
1608	Unoccupied orbitals of 3d transition metals in ZnS. 2004 , 70,		15
1607	Site preference for Mn substitution in spintronic CuMnX ₂ VI chalcopyrite semiconductors. 2004 , 69,		43
1606	Double-exchange mechanisms for Mn-doped III-V ferromagnetic semiconductors. 2004 , 70,		105
1605	Optical properties and functions of dilute magnetic semiconductors. 2004 , 16, S5541-S5548		63
1604	Calculation of exchange constants of III-V dilute magnetic semiconductors using a quasiparticle method. 2004 , 16, 7455-7476		
1603	Electronic and Magnetic Properties of 3 d Transition-Metal-Doped III-V Magnetic Semiconductor. 2004 , 21, 1632-1635		11

1602	Electronic structure and optical properties of the Co-doped anatase TiO ₂ studied from first principles. 2004 , 69,	154
1601	Mining for high T _c ferromagnetism in ion-implanted dilute magnetic semiconductors. 2004 , 37, 511-517	65
1600	Unusual directional dependence of exchange energies in GaAs diluted with Mn: is the RKKY description relevant?. 2004 , 93, 177201	133
1599	First principles study of the ferromagnetism in Ga _{1-x} MnxAs semiconductors. 2004 , 16, 8243-8250	15
1598	Effects of high-dose Mn implantation into ZnO grown on sapphire. <i>Applied Physics Letters</i> , 2004 , 84, 2293-2294	162
1597	Co-occurrence of superparamagnetism and anomalous hall effect in highly reduced cobalt-doped rutile TiO ₂ -delta films. 2004 , 92, 166601	336
1596	Exchange biasing of the ferromagnetic semiconductor Ga _{1-x} MnxAs. <i>Applied Physics Letters</i> , 2004 , 85, 1556-1558	3-4 48
1595	Magnetoresistance in a room temperature ferromagnetic diluted magnetic semiconductor Zn _{1-x} Cr _x Te. 2004 , 95, 7175-7177	16
1594	Optical properties of metallic (III, Mn)V ferromagnetic semiconductors in the infrared to visible range. 2004 , 70,	26
1593	Anomalous Transport and Magnetic Properties in Fe _{2+x} V _{1-x} Si in Relation to the Origin of GMR. 2004 , 73, 1944-1952	11
1592	Ferromagnetism in GaN and Related Materials. 2005 , 387-432	
1591	Magnetotransport properties and the annealing effect of (Ga,Mn)As/Si heterostructures and substrate-free (Ga,Mn)As films. 2005 , 242, 134-139	11
1590	Electrical-transport, magneto-transport and magnetic anisotropy of epitaxially grown MnAs/GaAs hybrid multilayers. 2005 , 286, 41-45	2
1589	Spin order manipulations in ferromagnetic semiconductor heterostructures. 2005 , 290-291, 14-19	6
1588	Clustering of Mn in (Ga,Mn)As. 2005 , 290-291, 1398-1401	14
1587	Investigation of the solid solution series 2(MnX) ₂ InX ₂ (X=S, Se). 2005 , 66, 1966-1969	4
1586	Investigation of Mn-implanted n-Si by low-energy ion beam deposition. 2005 , 273, 458-463	19
1585	Spintronics: recent progress and tomorrow's challenges. 2005 , 278, 25-37	40

1584	Magnetic, optical and transport properties of GaCrN-based ferromagnet/nonmagnet/ferromagnet trilayer structures. 2005 , 278, 675-679	5
1583	Ga _{1-x} MnxSb grown on GaSb with mass-analyzed low-energy dual ion beam deposition. 2005 , 279, 272-275	2
1582	Optical manipulation of coupled spins in magnetic semiconductor systems: A path toward spin optoelectronics. 2005 , 29, 475-482	3
1581	Investigation of photoluminescence in GaAs quantum well coupled with a ferromagnetic semiconductor layer of (Ga,Mn)As. 2005 , 29, 570-574	
1580	Ferromagnetism in Mn and Cr doped GaN by thermal diffusion. 2005 , 117, 292-295	15
1579	Identification of extrinsic Mn contributions in Ga _{1-x} MnxAs by field-dependent magnetic circular X-ray dichroism. 2005 , 144-147, 789-792	10
1578	Soft X-ray spectroscopy of diluted magnetic semiconductor Ga _{1-x} MnxN (M = Cr, Mn). 2005 , 144-147, 707-710	2
1577	Manganese distribution in ferromagnetic gallium manganese nitride epitaxial film grown by plasma enhanced molecular beam epitaxy. 2005 , 472, 144-149	2
1576	Dilute magnetic semiconductors based on wide bandgap SiO ₂ with and without transition metal elements. 2005 , 136, 1-5	34
1575	Time resolved magnetic ordering and photo-induced gyrotropy at room temperature in CdMgTe/dMnTe semiconductor micro-cavities. 2005 , 136, 147-151	1
1574	Development of new materials for spintronics. 2005 , 6, 977-996	64
1573	Magnetotransport measurement of (Ga,Mn)As epilayers with low-temperature annealing. 2005 , 51, 1004-1007	
1572	Mn 3p _{3/2} resonant photoemission spectroscopy of ferromagnetic semiconductor Ge _{1-x} MnxTe. 2005 , 144-147, 629-632	7
1571	Magnetic ordering and x-ray magnetic circular dichroism of Co doped ZnO. 2005 , 97, 063911	24
1570	Properties of structures based on laser-plasma Mn-doped GaAs and grown by MOC-hydride epitaxy. 2005 , 39, 77	6
1569	Formation of clusters and the magneto-optical Kerr effect in gallium arsenide implanted with manganese ions. 2005 , 47, 1626-1629	4
1568	Ab initio studies of the energy characteristics and magnetic properties of point defects in GaAs. 2005 , 47, 1831	5
1567	Ferromagnetic semiconductors: moving beyond (Ga,Mn)As. 2005 , 4, 195-202	590

1566	Magnetic, electrical properties, and structure of Cr-AlN and Mn-AlN thin films grown on Si substrates. 2005 , 41, 2718-2720	20
1565	. 2005 , 41, 2724-2726	1
1564	Room temperature diluted magnetic semiconductor synthesized by dual beam laser deposition. 2005 , 80, 565-568	16
1563	Spintronic with semiconductors. 2005 , 6, 966-976	8
1562	Structure and composition of secondary phase particles in cobalt-doped TiO ₂ films. 2005 , 370, 46-51	10
1561	Ferromagnetism at 300 K in spin-coated films of Co doped anatase and rutile-TiO ₂ . 2005 , 133, 439-443	51
1560	Arsenic-rich GaAs(0 0 1) surface structure. 2005 , 60, 1-53	69
1559	Properties of anatase Co _x Ti _{1-x} O ₂ thin films epitaxially grown by reactive sputtering. 2005 , 488, 194-199	13
1558	AlN-based dilute magnetic semiconductors. 2005 , 34, 365-369	10
1557	Room Temperature Ferromagnetism of Ge/MnAs Digital Alloys. 2005 , 18, 75-78	
1556	Effect of Low Temperature Annealing on the Magnetic Properties of Ga _{1-x} Mn _x As/GaAs Superlattices. 2005 , 18, 93-96	1
1555	Growth-Temperature Dependence of Magnetic and Magneto-Transport Properties of Epitaxially Grown MnAs/GaAs Hybrid Multilayers. 2005 , 18, 105-108	
1554	Coherent Optical Phonon Oscillations in GaMnAs. 2005 , 18, 115-119	2
1553	Observation of Combined Ferromagnetic/Paramagnetic Phase in Ga _{1-x} Mn _x As by Magnetic Circular Dichroism. 2005 , 18, 131-135	2
1552	Effect of Light on the Magnetic Properties of Semiconductors. 2005 , 31, 563-582	1
1551	Exchange Interactions and Curie Temperatures in Dilute Magnetic Semiconductors. 2005 , 160, 57-65	9
1550	Effect of thermal annealing on the structural and the optical properties of (Zn _{1-x} Co _x)O thin films grown on p-Si (1 0 0) substrates. 2005 , 40, 769-771	
1549	Spin-dependent current through a ferromagnetic resonant tunnelling quantum well. 2005 , 242, 1660-1678	11

1548	Magnetic and electrical-transport property variations of epitaxially grown MnAs thin films. 2005 , 97, 10M107	1
1547	Large magnetoresistance in a ferromagnetic GaMnAs/GaAs Zener diode. 2005 , 71, 811-816	9
1546	Concentration and Defect Dependent Ferromagnetism above Room Temperature in Co Doped ZnO Films Prepared by Metalorganic Decomposition. 2005 , 891, 1	
1545	Multifunctional III-nitride dilute magnetic semiconductor epilayers and nanostructures as a future platform for spintronic devices. 2005 ,	16
1544	Magnetoelectronics. 2005 , 5-18	1
1543	Formation of Ferromagnetic SiC:Mn Phases. 2005 , 483-485, 241-244	2
1542	Magneto-Optical Studies of Ferromagnetic Cr-Doped GaN Films Grown by Molecular Beam Epitaxy. 2005 , 44, 6510-6512	5
1541	Magnetic Anisotropy Study for GaMnAs-Based Magnetic Tunnel Junction. 2005 , 44, L1352-L1354	3
1540	Predicting surface free energies with interatomic potentials and electron counting. 2005 , 17, 6123-6137	11
1539	First-Principles Materials Design of CuAlO ₂ Based Dilute Magnetic Semiconducting Oxide. 2005 , 44, L1187-L1189	9
1538	Physical origin of the ferromagnetic ordering above room temperature in GaMnN nanowires. 2005 , 17, 5073-5085	8
1537	Electronic Structure Characteristics of MBE (molecular beam epitaxy)-Grown Diluted Magnetic Semiconductor Ga _{1-x} Cr _x N Films. 2005 , 44, L153-L155	6
1536	Precipitation of Amorphous Ferromagnetic Semiconductor Phase in Epitaxially Grown Mn-Doped Ge Thin Films. 2005 , 44, L1426-L1429	52
1535	Ferromagnetism and Curie temperature of Vanadium-doped nitrides. 2005 , 54 Suppl 1, i61-4	7
1534	Phase behavior of thin film MnGaAs interfacial reactions. 2005 , 23, 1752	14
1533	Growth and magnetic properties of self-assembled (In, Mn)As quantum dots. 2005 , 23, 1376	10
1532	Magnetic and Transport Properties of Ferromagnetic Semiconductor GaDyN Thin Film. 2005 , 22, 463-465	19
1531	Optical studies of carrier and phonon dynamics in Ga _{1-x} Mn _x As. 2005 , 98, 113509	9

1530	Growth of GaMnAs under near-stoichiometric conditions. 2005 , 98, 023909	8
1529	Local environment of Mn dopant in ZnO by near-edge x-ray absorption fine structure analysis. <i>Applied Physics Letters</i> , 2005 , 86, 121902	3-4 47
1528	Ferromagnetism from localized deep impurities in magnetic semiconductors. 2005 , 71,	16
1527	Double-exchange model for noninteracting electron spins coupled to a lattice of classical spins: Phase diagram at zero temperature. 2005 , 72,	15
1526	Appearance of room-temperature ferromagnetism in Cu-doped TiO ₂ films. 2005 , 72,	188
1525	Chemical profile and magnetoresistance of Ga _{1-x} MnxAs/GaAs/AlAs/GaAs/Ga _{1-x} MnxAs tunnel junctions. 2005 , 71,	37
1524	Magnetism in semiconductors: A dynamical mean-field study of ferromagnetism in Ga _{1-x} MnxAs. 2005 , 72,	13
1523	Electronic states of Mn impurities and magnetic coupling between Mn spins in diluted magnetic semiconductors. 2005 , 72,	2
1522	Low-temperature ferromagnetic properties of the diluted magnetic semiconductor Sb _{2-x} Cr _x Te ₃ . 2005 , 71,	86
1521	Growth and characterization of dual-beam pulsed-laser-deposited Zn _{1-x} CoxO thin films. 2005 , 98, 114909	19
1520	Disorder and the effective Mn-Mn exchange interaction in Ga _{1-x} MnxAs diluted magnetic semiconductors. 2005 , 72,	13
1519	Structural, electrical, and magneto-optical characterization of paramagnetic GaMnAs quantum wells. 2005 , 72,	65
1518	Infrared survey of the carrier dynamics in III-V digital ferromagnetic heterostructures. 2005 , 71,	20
1517	Above room temperature ferromagnetism in Mn-ion implanted Si. 2005 , 71,	227
1516	First-principles study of ferromagnetic coupling in Zn _{1-x} Cr _x Te thin film. 2005 , 97, 043904	15
1515	Mn distribution and spin polarization in Ga(1-x)Mn _x As. 2005 , 94, 207201	26
1514	Anisotropic distribution of stacking faults in (Ga,Mn)As digital ferromagnetic heterostructures grown by low-temperature molecular-beam epitaxy. 2005 , 97, 036105	7
1513	Observation of giant magnetic linear dichroism in (Ga, Mn) As. 2005 , 94, 227203	48

1512	Ferromagnetic moment and antiferromagnetic coupling in (Ga,Mn)As thin films. 2005 , 71,	92
1511	Adsorption, segregation, and magnetization of a single Mn adatom on the GaAs(110) surface. 2005 , 72,	5
1510	Enhanced annealing effect in an oxygen atmosphere on Ga _{1-x} MnxAs. <i>Applied Physics Letters</i> , 2005 , 86, 132501	3-4 25
1509	Positional disorder, spin-orbit coupling, and frustration in Ga _{1-x} MnxAs. 2005 , 71,	20
1508	Transport properties of diluted magnetic semiconductors: Dynamical mean-field theory and Boltzmann theory. 2005 , 72,	22
1507	Magnetotransport properties of ferromagnetic Ga _{1-x} MnxAs layers on a (100) GaAs substrate. 2005 , 97, 063902	6
1506	Ferromagnetism in dilute magnetic semiconductors and new materials for spintronics. 2005 ,	
1505	A convenient way of determining the ferromagnetic transition temperature of metallic (Ga,Mn)As. 2005 , 97, 063908	9
1504	Paramagnetic Mn impurities on Ge and GaAs surfaces. 2005 , 72,	25
1503	Magnetic anisotropy and magnetization reversal in Ga _{1-x} MnxAs layers studied by polarized neutron reflectometry. 2005 , 97, 123909	3
1502	Ferromagnetism in Ga(1-x)Mn(x)P: evidence for inter-Mn exchange mediated by localized holes within a detached impurity band. 2005 , 95, 207204	87
1501	Magnetic and optical properties of the InCrN system. 2005 , 98, 043903	30
1500	Exchange Interactions and Curie Temperatures in Dilute Magnetic Semiconductors. 2005 , 57-65	
1499	Characterization of Transparent Ferromagnetic Fe:ZnO Semiconductor Films Chemically Prepared from Aqueous Solutions. 2005 , 152, G736	26
1498	Effects of Implanted Nitrogen on the Microstructural, Optical, and Magnetic Properties of Mn-Implanted GaN. 2005 , 152, G608	2
1497	Mean-field study of Fe ²⁺ - and Co ²⁺ -doped diluted magnetic semiconductors. 2005 , 72,	7
1496	First-Principles Study of the Magnetism of Diluted Magnetic Semiconductors. 111-130	
1495	Origin of the tunnel anisotropic magnetoresistance in Ga(1-x)Mn(x)As/ZnSe/Ga(1-x)Mn(x)As magnetic tunnel junctions of II-VI/III-V heterostructures. 2005 , 95, 086604	104

1494	Intrinsic and extrinsic contributions to the lattice parameter of GaMnAs. <i>Applied Physics Letters</i> , 2005 , 86, 071902	3-4	35
1493	Thin-film ferromagnetic semiconductors based on Sb ₂ VxTe ₃ with TC of 177K. <i>Applied Physics Letters</i> , 2005 , 87, 112503	3-4	40
1492	Microstructure of (Ga,Mn)As/GaAs digital ferromagnetic heterostructures. 2005 , 97, 094913		4
1491	Role of disorder in Mn:GaAs, Cr:GaAs, and Cr:GaN. 2005 , 94, 097201		74
1490	Effect of annealing on magnetic properties of new (In,Al,Mn)As ferromagnetic semiconductors. 2005 ,		
1489	Zinc-blende-type MnAs nanoclusters embedded in GaAs. 2005 , 97, 10D317		99
1488	First-principles investigation of transition-metal-doped group-IV semiconductors: R _x Y _{1-x} (R=Cr,Mn,Fe;Y=Si,Ge). 2005 , 71,		52
1487	Determination of the Mn concentration in GaMnAs. 2005 , 20, 369-373		22
1486	Spin-polarized light-emitting diodes with Mn-doped InAs quantum dot nanomagnets as a spin aligner. 2005 , 5, 209-12		40
1485	Electric field effect in diluted magnetic insulator anatase Co: TiO ₂ . 2005 , 94, 126601		93
1484	Room temperature ferromagnetism in spin-coated anatase- and rutile-Ti _{0.95} Fe _{0.05} O ₂ films. 2005 , 17, 755-762		47
1483	Postgrowth annealing of (Ga,Mn) As under As capping: An alternative way to increase TC. <i>Applied Physics Letters</i> , 2005 , 86, 112501	3-4	49
1482	Theoretical study of magnetism in transition-metal-doped TiO ₂ and TiO _{2-x} . 2005 , 72,		150
1481	Mn-doped V ₂ VI ₃ semiconductors: Single crystal growth and magnetic properties. 2005 , 97, 10D324		44
1480	Electronic and magnetic properties of substitutional Mn clusters in (Ga,Mn)As. 2005 , 72,		56
1479	Co-doped titanate nanotubes. <i>Applied Physics Letters</i> , 2005 , 87, 112501	3-4	57
1478	Polarization of valence band holes in the (Ga,Mn)as diluted magnetic semiconductor. 2005 , 94, 137401		57
1477	Polar Kerr effect studies of Ga _{1-x} MnxAs epitaxial films. 2005 , 72,		46

1476	Dilute magnetic semiconductors. 2005 , 78, 851-867		22
1475	Crystal structure and magnetic properties of the spinel compound Fe _{0.76} In _{2.17} S ₄ . 2005 , 17, 3611-3618		8
1474	Spintronics. 2005 , 109, 14278-91		39
1473	Diluted magnetic semiconductors with high Curie temperature based on C1b compounds: CoTi _{1-x} FexSb. <i>Applied Physics Letters</i> , 2006 , 89, 202509	3-4	33
1472	Nonthermal ultrafast optical control of the magnetization in garnet films. 2006 , 73,		119
1471	Ultrafast magneto-optics in ferromagnetic III-V semiconductors. 2006 , 18, R501-R530		77
1470	Single phase formation of Co-implanted ZnO thin films by swift heavy ion irradiation: Optical studies. 2006 , 100, 113708		43
1469	Width dependence of annealing effects in (Ga,Mn)As nanowires. 2006 , 99, 08D501		7
1468	Ferromagnetic resonance in Ga _{1-x} MnxAs dilute magnetic semiconductors. 2006 , 18, R245-R279		94
1467	Co-doped (La, Sr)TiO _(3-δ) : a high Curie temperature diluted magnetic system with large spin polarization. 2006 , 96, 027207		53
1466	Angle-dependent x-ray magnetic circular dichroism from (Ga,Mn)As: anisotropy and identification of hybridized states. 2006 , 96, 117207		37
1465	Coexistence of Mn ²⁺ and Mn ³⁺ in ferromagnetic GaMnN. 2006 , 18, 4615-4621		39
1464	Magnetic and Crystalline properties of GaMnNAs and Low-temperature annealing effect. 2006 ,		
1463	Molecular enhancement of ferromagnetism in GaAs/GaMnAs heterostructures. <i>Applied Physics Letters</i> , 2006 , 89, 112508	3-4	14
1462	Magneto-optical properties of group-IV ferromagnetic semiconductor Ge _{1-x} Fex grown by low-temperature molecular beam epitaxy. 2006 , 99, 08D516		33
1461	Bias voltage dependence of the electron spin injection studied in a three-terminal device based on a (Ga,Mn)As _B -GaAs Esaki diode. <i>Applied Physics Letters</i> , 2006 , 89, 012103	3-4	35
1460	Theory of ferromagnetic (III,Mn)V semiconductors. 2006 , 78, 809-864		1028
1459	Gallium Nitride Processing for Electronics, Sensors and Spintronics. 2006 ,		6

1458	Magnetic and carrier transport properties of Mn-doped p-type semiconductor LaCuOSe: An investigation of the origin of ferromagnetism. 2006 , 100, 033717	20
1457	Direct measurement of the Hall effect in a free-electron-like surface state. 2006 , 73,	14
1456	Growth and magnetic properties of IV-VI diluted magnetic semiconductor $\text{Ge}_{1-x}\text{Cr}_x\text{Te}$. 2006 , 99, 08D508	8
1455	Half-metallic diluted antiferromagnetic semiconductors. 2006 , 97, 026401	87
1454	Influence of disorder on the optical absorption in semiconductors: Application to epitaxially grown III-V compounds. 2006 , 73,	1
1453	Electronic Structure and Magnetic Properties of Transition Metal Doped Silicon Carbide in Different Polytypes. 2006 , 527-529, 641-646	1
1452	Thin film dilute ferromagnetic semiconductors $\text{Sb}_{2-x}\text{Cr}_x\text{Te}_3$ with a Curie temperature up to 190K. 2006 , 74,	70
1451	Ferromagnetic resonance investigations on $\text{Ga}_{0.965}\text{Mn}_{0.035}\text{As}$ film. 2006 , 99, 113908	2
1450	Metallic single-crystal CoSi nanowires via chemical vapor deposition of single-source precursor. 2006 , 110, 18142-6	85
1449	Magnetic Tunnel Junctions Based on Half-Metallic Oxides. 2006 , 49-110	2
1448	$(\text{In}_{0.52}\text{Al}_{0.48})_{1-x}\text{Mn}_x\text{As}$ diluted magnetic semiconductor grown on InP substrates. 2006 , 18, L15-L20	
1447	Semiconductors: Nanostructures and applications in spintronics and quantum computation. 2006 ,	1
1446	Theory of Tunnel Magnetoresistance. 2006 , 30, 1-37	20
1445	Large Magnetoconductance through an Interface between a Two-Dimensional Hole System and a (Ga,Mn)As Layer. 2006 ,	
1444	Ultrafast all-optical control of the magnetization in magnetic dielectrics. 2006 , 32, 748-767	7
1443	First-principles calculations of exchange interactions in CuAlO_2 based dilute magnetic semiconductors with carrier doping. 2006 , 3, 2771-2774	4
1442	Room-temperature ferromagnetism in Mn-implanted TiO_2 . 2006 , 3, 4119-4122	7
1441	Ab initio design of fabrication process and shape control of self-organized Tera-bit-density nano-magnets in dilute magnetic semiconductors by two-dimensional spinodal decomposition. 2006 , 3, 4139-4142	4

1440	Carrier concentration dependence of Curie temperature in CuAlO ₂ based dilute magnetic semiconductor by first-principles calculations. 2006 , 3, 4135-4138	3
1439	Ferromagnetism in Co-doped TiO ₂ single crystals. 2006 , 3, 4127-4130	5
1438	Ferromagnetism in short-period GaGdN/GaN superlattices grown by RF-MBE. 2006 , 203, 2774-2777	15
1437	MBE growth and properties of GaMnAs with high level of Zn acceptor incorporation. 2006 , 203, 2778-2782	13
1436	Ab initio study of spinodal decomposition in (Zn, Cr)Te. 2006 , 203, 2751-2755	14
1435	Recent progress towards the development of ferromagnetic nitride semiconductors for spintronic applications. 2006 , 203, 2729-2737	24
1434	Substantial pressure effect on the resistivity and Curie temperature for the diluted magnetic semiconductor Sb ₂ V _x Te ₃ . 2006 , 243, 1862-1866	4
1433	First-principles study of carrier-mediated ferromagnetism in ZnTe-based thin film. 2006 , 243, 1375-1382	5
1432	X-ray absorption near edge spectroscopy at the Mn K-edge in highly homogeneous GaMnN diluted magnetic semiconductors. 2006 , 243, 1692-1695	7
1431	Theory of spintronic materials. 2006 , 243, 2133-2150	11
1430	Engineering magnetism in semiconductors. 2006 , 9, 18-26	64
1429	Semiconductor physics: magnetic manipulations. 2006 , 442, 359-60	12
1428	Protein folding: inside the cage. 2006 , 442, 360-2	18
1427	Atom-by-atom substitution of Mn in GaAs and visualization of their hole-mediated interactions. 2006 , 442, 436-9	24 ⁰
1426	Mn-impurity-conduction-mediated ferromagnetic ordering in Ga _{1-x} Mn _x As (x=0.034 and x=0.050). 2006 , 48, 1-15	5
1425	Magnetic and electrical properties of MBE-grown (Ge _{1-x} Si _x) _{1-y} Mn _y thin films. 2006 , 6, 478-481	11
1424	Evidence for room temperature ferromagnetism in the In _{1-x} Cr _x N system. 2006 , 6, 579-582	8
1423	Neutron irradiation effect of poly-Si _{1-x} Mn _x semiconductors grown by MBE. 2006 , 6, 432-435	

1422	Neutron irradiation effects on polycrystalline Ge _{1-x} Mn _x thin films grown by MBE. 2006 , 6, 482-485	2
1421	Spin-based electronics and its activities and progress. 2006 , 6, e141-e148	
1420	Room temperature ferromagnetism in III \bar{V} and III \bar{V} /II $\bar{2}$ dilute magnetic semiconductors. 2006 , 374-375, 430-432	10
1419	Doping and defect control of ferromagnetic semiconductors formed by ion implantation and pulsed-laser melting. 2006 , 376-377, 630-634	29
1418	Fluorescence EXAFS analysis of local structures around Cr atoms in (Ga,Cr)As. 2006 , 376-377, 651-653	6
1417	Theoretical investigation of magnetic properties in (Zn,Cr)Te by first principles calculations. 2006 , 376-377, 786-789	3
1416	Ab initio calculations of δ -based dilute magnetic semiconductor. 2006 , 376-377, 812-815	20
1415	Alloying, co-doping, and annealing effects on the magnetic and optical properties of MOCVD-grown Ga _{1-x} Mn _x N. 2006 , 126, 230-235	14
1414	Formation of local ferromagnetic areas on GaAs by focused Mn ion beam implantation. 2006 , 242, 240-243	1
1413	PIXE analysis of Fe content in Fe-implanted GaN film. 2006 , 252, 225-229	11
1412	Origin of ferromagnetism and nano-scale phase separations in diluted magnetic semiconductors. 2006 , 35, 293-299	18
1411	First-principles study on magnetism and electronic structure of V-doped rutile TiO ₂ . 2006 , 359, 523-527	29
1410	Optimizing T _c in the (Mn,Cr,Ga)As and (Mn,Ga)(As,P) ternary alloys. 2006 , 305, 63-67	7
1409	Magnetic and electrical transport properties of delta-doped amorphous Ge:Mn magnetic semiconductors. 2006 , 303, e318-e321	4
1408	Hybrid magnetic/semiconductor spintronic materials and devices. 2006 , 304, 69-74	17
1407	The magnetic properties of Be-codoped GaMnN grown via molecular beam epitaxy. 2006 , 304, e158-e160	3
1406	Growth and magnetism in amorphous Si _{1-x} Mn _x thin films grown by thermal deposition. 2006 , 304, e167-e169	5
1405	Magnetic and electrical properties of amorphous Ge _{1-x} Cr _x thin films grown by low temperature vapor deposition. 2006 , 304, e170-e172	2

1404	Low-temperature atomic assembly of stoichiometric gallium arsenide from equiatomic vapor. 2006 , 286, 197-204	14
1403	MBE growth and structural and magnetic properties of $(\text{In}_{1-x}\text{Al}_x)_{1-x}\text{Mn}_x\text{As}$ -diluted magnetic semiconductors. 2006 , 289, 502-505	4
1402	Study of structures and magnetic properties of single crystalline HVPE GaMnN films. 2006 , 292, 212-215	6
1401	Spin polarization in multilayer ferromagnetic semiconductor. 2006 , 37, 491-494	
1400	Investigation of the structural properties of ferromagnetic Mn-implanted Si. 2006 , 242, 367-370	14
1399	Analysis of magnetic field dependent mobility in ferromagnetic $\text{Ga}_{1-x}\text{Mn}_x\text{As}$ layers. 2006 , 137, 171-176	1
1398	Magnetic and electronic transport properties of Mn-doped silicon. 2006 , 140, 192-196	19
1397	Enhanced ferromagnetism in Mn-doped TiO_2 films during the structural phase transition. 2006 , 140, 514-518	33
1396	MBE growth and properties of Cr-doped ZnTe on GaAs(001). 2006 , 505, 126-128	10
1395	Microstructural, magnetic and optical properties of ZnO:Mn (0.01 $\leq x \leq 0.25$) epitaxial diluted magnetic semiconducting films. 2006 , 515, 2535-2541	40
1394	On the sol-gel synthesis and thermal, structural, and magnetic studies of transition metal (Ni, Co, Mn) containing ZnO powders. 2006 , 18, 2473-2486	108
1393	Room temperature ferromagnetism in Mn-doped Ga_2O_3 with spinel structure. <i>Applied Physics Letters</i> , 2006 , 89, 181903	3-4 84
1392	Low-energy excited states of 3d transition metal ions in zinc selenide. 2006 , 48, 1703-1707	2
1391	Softening of spin-wave stiffness near the ferromagnetic phase transition in diluted magnetic semiconductors. 2006 , 49, 403-406	8
1390	Ferromagnetism of Mn/Ge Multilayers Grown by Molecular Beam Epitaxy. 2006 , 18, 335-338	
1389	Ferromagnetic semiconductors for spintronics. 2006 , 376-377, 19-21	6
1388	Theory of diluted magnetic semiconductors: A minimal model. 2006 , 7, 31-41	3
1387	Study on the Raman scattering measurements of Mn ion implanted GaN. 2006 , 130, 269-272	14

1386	Influence of Mn incorporation on MBE growth of (In,Mn)N. 2006 , 35, 319-322	
1385	Local and Global Magnetic Properties of Zn _{1-x} Co _x O and Mn-Doped GaAs Thin Films. 2006 , 42, 2700-2702	1
1384	High-temperature ferromagnetism in Zn _{1-x} MnxO semiconductor thin films. 2006 , 300, 407-411	59
1383	Generalized double-exchange model for magnetic semiconductors with angular momentum j. 2006 , 300, 53-56	
1382	Ferromagnetism in dilute magnetic semiconductors and new materials for spintronics. 2006 , 300, e32-e36	8
1381	Electrical magnetization reversal in ferromagnetic IIIV semiconductors. 2006 , 39, R215-R225	13
1380	Influence of Mn-Doped Content on Ferromagnetism of Ga _{1-x} Mn _x N Film Grown by LP-MOVPE. 2006 , 23, 1585-1587	
1379	Electronic States and Spatial Charge Distribution of Single Mn Impurity in Diluted Magnetic Semiconductors. 2006 , 23, 1588-1591	
1378	Theoretical study of dilute GaN-4d transition metal alloys. 2006 , 18, 8589-601	9
1377	Growth and Magnetic Properties of Zincblende CrSb Epilayers on Relaxed and Strained (In, Ga)As Buffers. 2006 , 23, 493-496	1
1376	Room-Temperature Ferromagnetism of Ga _{1-x} Mn _x N Grown by Low-Pressure Metalorganic Chemical Vapour Deposition. 2006 , 23, 1286-1288	9
1375	An x-ray emission and density functional theory study of the electronic structure of Zn(1-x)Mn(x)S. 2006 , 18, 10405-12	4
1374	Fabrication, characterization and studies of annealing effects on ferromagnetism in Zn _{1-x} CoxO nanowires. 2006 , 17, 5511-5518	28
1373	Review of recent efforts on the growth and characterization of nitride-based diluted magnetic semiconductors. 2006 , 6121, 174	
1372	Direct correlation of negative magnetoresistance with concentrations of localized holes in Be delta-doped GaAs structures. 2006 , 24, 2560	
1371	The origin of ferromagnetism in ⁵⁷ Fe ion-implanted semiconducting 6H-polytype silicon carbide. 2006 , 18, 9881-9900	42
1370	Chapter 7 Electrical Spin Injection and Transport in Semiconductors. 2006 , 1, 227-272	8
1369	Anisotropic magneto-optical effects in one-dimensional diluted magnetic semiconductors. 2006 , 74,	16

1368	Optimally designed digitally doped Mn:GaAs studied using ab initio local-density approximation. 2006, 74,		5
1367	Magnetic properties of GaN/MnxGa1-xN digital heterostructures: First-principles and Monte Carlo calculations. 2006, 73,		14
1366	Negative magnetoresistance of Be δ-doped GaAs structures. 2006, 73,		9
1365	Electronic structure and magnetic properties of transition-metal-doped 3C and 4H silicon carbide. 2006, 74,		45
1364	Transition temperature of a magnetic semiconductor with angular momentum j. 2006, 96, 237204		8
1363	Hexagonal ferromagnetic MnAs nanocluster formation on GaInAs/InP (111)B layers by metal-organic vapor phase epitaxy. <i>Applied Physics Letters</i> , 2006, 89, 113111	3-4	25
1362	Magnetic and chemical nonuniformity in Ga1-xMnxAs films as probed by polarized neutron and x-ray reflectometry. 2006, 74,		16
1361	Hot-electron photoluminescence study of the (Ga,Mn)As diluted magnetic semiconductor. 2006, 73,		29
1360	Dynamics of impurity and valence bands in Ga1-xMnxAs within the dynamical mean-field approximation. 2006, 74,		10
1359	Ballistic spin field-effect transistors: Multichannel effects. 2006, 74,		19
1358	Manganese on various lattice sites in (Ga,Mn)As investigated using electron paramagnetic resonance. 2006, 73,		9
1357	Direct determination of Mn occupations in Ga1-xMnxN dilute magnetic semiconductors by x-ray absorption near-edge structure spectroscopy. <i>Applied Physics Letters</i> , 2006, 89, 121901	3-4	18
1356	Room temperature magnetism in semiconducting films of ZnO doped with ferric ions. 2006, 99, 08M109		24
1355	Observation of crystallite formation in ferromagnetic Mn-implanted Si. 2006, 24, 1644-1647		39
1354	Anomalous Hall effect and origin of magnetism in Zn1-xCoxO thin films at low Co content. <i>Applied Physics Letters</i> , 2006, 88, 192110	3-4	17
1353	Structural and magnetic properties of V-doped AlN thin films. 2006, 100, 083905		19
1352	Spin-dependent transport in diluted-magnetic-semiconductor/semiconductor quantum wires. 2006, 100, 033901		6
1351	Room-temperature ferromagnetism in zinc-blende and deformed CrAs thin films. <i>Applied Physics Letters</i> , 2006, 88, 142509	3-4	24

1350	Enhancement of exchange coupling between GaMnAs and IrMn with self-organized Mn(Ga)As at the interface. <i>Applied Physics Letters</i> , 2006 , 89, 262502	3-4	10
1349	Structural, magnetic, and transport properties of (Zn,V)Te semiconductors. 2006 , 99, 08D503		5
1348	Theoretical study on the stability of ferromagnetism and resistivity of dilute magnetic semiconductors at finite temperature. 2006 , 99, 08D509		
1347	Spin-polarized tunneling in metal-insulator-semiconductor Fe _{1-x} Ni _x Se/Ca _{1-x} Mn _x As magnetic tunnel diodes. <i>Applied Physics Letters</i> , 2006 , 89, 232502	3-4	16
1346	Influence of surface treatment on the magnetic properties of Ga _x Mn _{1-x} As thin films. 2006 , 74,		8
1345	Ferromagnetism in Co doped CeO ₂ : Observation of a giant magnetic moment with a high Curie temperature. <i>Applied Physics Letters</i> , 2006 , 88, 142511	3-4	195
1344	Room-temperature ferromagnetism in highly-resistive Ni-doped TiO ₂ . <i>Applied Physics Letters</i> , 2006 , 88, 092505	3-4	42
1343	Growth optimization and structural analysis for ferromagnetic Mn-doped ZnO layers deposited by radio frequency magnetron sputtering. 2006 , 99, 113515		12
1342	Dephasing in (Ga,Mn)As nanowires and rings. 2006 , 97, 056803		38
1341	Direct local observation of magnetic anisotropy in microscopic Ga _{1-x} Mn _x As dots. <i>Applied Physics Letters</i> , 2006 , 89, 192502	3-4	3
1340	Photoemission study of the valence band offset between low temperature GaAs and (GaMn)As. <i>Applied Physics Letters</i> , 2006 , 89, 172509	3-4	3
1339	Suppressed reflectivity due to spin-controlled localization in a magnetic semiconductor. 2006 , 73,		19
1338	Magnetic-field-induced second-harmonic generation in the diluted magnetic semiconductors Cd _{1-x} Mn _x Te. 2006 , 74,		11
1337	Postgrowth annealing effects on heteroepitaxial MnAs thin films grown on GaAs(001) and Si(001). 2006 , 99, 08D513		
1336	Ferromagnetic order in Ge _{1-x} Cr _x Te. <i>Applied Physics Letters</i> , 2006 , 88, 032507	3-4	15
1335	Study of Mn Incorporation Into GaN:Mn Magnetic Semiconductor Thin Films Prepared by Plasma Assisted MOCVD. 2006 ,		
1334	Antisite effect on hole-mediated ferromagnetism in (Ga,Mn)As. 2006 , 74,		40
1333	Ferromagnetism in Ge _{1-x} Cr _x Te epilayers grown by molecular beam epitaxy. <i>Applied Physics Letters</i> , 2006 , 89, 152506	3-4	24

1332	Thermal Phase Transformation of ZnO-Based Transparent Ferromagnetic Composite Films and the Change in Magnetic Characteristics. 2006 , 153, G168	6
1331	FORMATION OF MAGNETIC GaAs:Mn LAYERS FOR InGaAs/GaAs LIGHT EMITTING QUANTUM-SIZE STRUCTURES. 2007 , 06, 221-224	4
1330	Photoluminescence and magnetism in Co-doped ZnO powder. 2007 , 40, 6829-6833	20
1329	Enhancement of Room Temperature Photoluminescence from InAs Quantum Dots by Irradiating Mn. 2007 , 46, L801-L803	
1328	Modification of the local atomic structure around Mn atoms in (Ga, Mn)As layers by high temperature annealing. 2007 , 19, 496205	13
1327	Effect of annealing ambient on the ferromagnetism of Mn-doped anatase TiO ₂ films. 2007 , 40, 4757-4760	40
1326	Bipolar spintronics: from spin injection to spin-controlled logic. 2007 , 19, 165219	17
1325	Structural, optical, and magnetic properties of (Ga,Mn)As/AlAs multiple quantum well structures. 2007 , 25, 1460	
1324	Tunneling Magnetoresistance in a Mn Doped GaAs/AlAs/MnAs Heterostructure. 2007 , 46, L755-L757	
1323	Cr-Doped InAs Self-Organized Diluted Magnetic Quantum Dots with Room-Temperature Ferromagnetism. 2007 , 24, 2118-2121	18
1322	Study of strongly correlated electrons in nanoscopic and bulk forms: some recent results. 2007 , 19, 125213	4
1321	The computational materials design of (Ga, Cr)N: effects of co-doping on exchange interactions. 2007 , 19, 365238	
1320	Anomalous Mn depth profiles for GaMnAs/GaAs(001) thin films grown by molecular beam epitaxy. 2007 , 25, 1476	10
1319	Evidence for carrier-induced high-T _C ferromagnetism in Mn-doped GaN film. 2007 , 78, 37006	5
1318	The effect of low-temperature annealing on ferromagnetic Ga _{1-x} Mn _x As thin films studied by photoemission spectroscopy. 2007 , 78, 57006	3
1317	High-Quality Polycrystalline Silicon Films with Minority Carrier Lifetimes over 5 μs Formed by Flash Lamp Annealing of Precursor Amorphous Silicon Films Prepared by Catalytic Chemical Vapor Deposition. 2007 , 46, 7198-7203	27
1316	Spin glass behaviour of amorphous GeMn alloy thin films. 2007 , 19, 036211	7
1315	Spin dynamics in the diluted ferromagnetic Kondo lattice model. 2007 , 19, 236213	9

1314	Growth temperature dependence of Mn-doped GaAs surfaces and interfaces. 2007 , 102, 063513		9
1313	Neutral and charged embedded clusters of Mn in doped GaN from first principles. 2007 , 76,		41
1312	Ferromagnetic semiconductor $\text{Ge}_{1-x}\text{Cr}_x\text{Te}$ with a Curie temperature of 180K. <i>Applied Physics Letters</i> , 2007 , 91, 092501	3-4	22
1311	Structural and magnetic properties of epitaxially grown $\text{Ge}_{1-x}\text{Fe}_x$ thin films: Fe concentration dependence. <i>Applied Physics Letters</i> , 2007 , 90, 132512	3-4	28
1310	Curie temperature of the two-band double-exchange model for manganites. 2007 , 76,		5
1309	Implantation damage study in ferromagnetic Mn-implanted Si. 2007 , 25, 976-979		3
1308	Magneto-optical and magnetotransport properties of heavily Mn-doped GaMnAs. <i>Applied Physics Letters</i> , 2007 , 90, 112503	3-4	56
1307	Significant suppression of ferromagnetism by hydrostatic pressure in the diluted magnetic semiconductor $\text{Sb}_{2-x}\text{V}_x\text{Te}_3$ with $x \approx 0.03$. <i>Applied Physics Letters</i> , 2007 , 91, 122506	3-4	7
1306	Magnetization-induced optical nonlinearity in ferromagnetic GaMnAs. 2007 , 101, 063519		4
1305	Single layer of Mn in a GaAs quantum well: A ferromagnet with quantum fluctuations. 2007 , 75,		6
1304	Anomalous Hall effect of metallic Be-doped GaAs structures. 2007 , 75,		2
1303	Ultrafast enhancement of ferromagnetism via photoexcited holes in GaMnAs. 2007 , 98, 217401		81
1302	Structure and magnetism of MnAs nanocrystals embedded in GaAs as a function of post-growth annealing temperature. 2007 , 101, 113912		42
1301	Onset of Ferromagnetism in Low-Doped $\text{Ga}_{1-x}\text{Mn}_x\text{As}$. 2007 , 99, 227205		53
1300	First-principles study of the superexchange interaction in $(\text{Ga},\text{Mn})\text{V}$ ($\text{V}=\text{N}, \text{P}, \text{As}, \text{and Sb}$). 2007 , 76,		8
1299	Memory effect in a system of zincblende Mn-rich Mn(Ga)As nanoclusters embedded in GaAs. <i>Applied Physics Letters</i> , 2007 , 91, 202503	3-4	12
1298	Enhancement of Curie temperature under low electric fields in Mn selectively doped GaAs/AlGaAs wide quantum wells. <i>Applied Physics Letters</i> , 2007 , 90, 142513	3-4	4
1297	Hole-mediated interactions of Mn acceptors on GaAs (110) (invited). 2007 , 101, 09G515		6

- 1296 Mn enriched surface of annealed (GaMn)As layers annealed under arsenic capping. **2007**, 75, 11
- 1295 Reentrant ferromagnetism in a class of diluted magnetic semiconductors. **2007**, 75, 12
- 1294 Properties of Ga_{1-x}MnxAs with high Mn composition (x>0.1). *Applied Physics Letters*, **2007**, 90, 122503 3-4 71
- 1293 Low-temperature properties of diluted magnetic semiconductors: Spin waves. **2007**, 76, 4
- 1292 Microstructure of Mn-doped $\sqrt{3}\times\sqrt{3}$ Ga₂O₃ epitaxial film on sapphire (0001) with room temperature ferromagnetism. **2007**, 101, 063526 36
- 1291 Light-induced magnetic precession in (Ga,Mn)As slabs: Hybrid standing-wave Damon-Eshbach modes. **2007**, 75, 64
- 1290 Structure, magnetic, and transport properties of sputtered FeTe multilayers. **2007**, 102, 063712 11
- 1289 Ultrafast photoinduced ferromagnetism in GaMnAs. **2007**,
- 1288 Electric-field-driven nuclear spin control using diluted magnetic semiconductors. *Applied Physics Letters*, **2007**, 91, 253118 3-4 7
- 1287 Long-range ferromagnetic correlations between Anderson impurities in a semiconductor host: Quantum Monte Carlo simulations. **2007**, 76, 21
- 1286 Study of the transport properties of annealed (Ga,Mn)As by x-ray absorption spectroscopy. *Applied Physics Letters*, **2007**, 90, 232501 3-4 4
- 1285 Surface characterization of Mn_xGe_{1-x} and Cr_yMn_xGe_{1-x-y} dilute magnetic semiconductors. **2007**, 75, 29
- 1284 Tunneling Spectroscopy of Magnetic Impurities (=Mn,Fe,Co) in ZnO. **2007**, 1035, 1
- 1283 Semiconductor Spintronics. **2007**, 1-46 20
- 1282 Crystal Structure and Magnetic Properties of Cr-Doped AlN Films with Various Cr Concentrations. **2007**, 48, 465-470 5
- 1281 Magnetic Polarons. **2007**, 4
- 1280 Diluted ferromagnetic semiconductors as spintronic materials. **2007**, 33, 165-173 13
- 1279 Diluted Ferromagnetic Semiconductors—Theoretical Aspects. **2007**, 2

1278	De Gruyter. 2007 , 57,	537
1277	Semiconductor Spintronic Devices. 2007 ,	
1276	Hole spin polarization in GaAs:Mn/AlAs multiple quantum wells. 2007 , 75,	14
1275	Co-doped anatase TiO ₂ nanofibers fabricated by electrospinning. 2007 , 101, 093509	9
1274	Definitive evidence of interlayer coupling between Ga _{1-x} MnxAs layers separated by a nonmagnetic spacer. 2007 , 76,	22
1273	Spatial distribution and magnetism in poly-Cr-doped GaN from first principles. 2007 , 75,	35
1272	Weak localization in Ga _{1-x} MnxAs: Evidence of impurity band transport. 2007 , 76,	62
1271	GaAs:Mn nanowires grown by molecular beam epitaxy of (Ga,Mn)As at MnAs segregation conditions. 2007 , 7, 2724-8	46
1270	Origin of ferromagnetic response in diluted magnetic semiconductors and oxides. 2007 , 19, 165204	102
1269	Confinement engineering of s-d exchange interactions in Ga _{1-x} MnxAs/AlGa _{1-y} As quantum wells. 2007 , 75,	30
1268	Magnetism of Co-doped ZnO thin films. 2007 , 75,	169
1267	Nonthermal optical control of magnetism and ultrafast laser-induced spin dynamics in solids. 2007 , 19, 043201	56
1266	Ferromagnetism in Fe-doped ZnO nanocrystals: Experiment and theory. 2007 , 75,	350
1265	Magnetic Anisotropies and (Ga,Mn)As-based Spintronic Devices. 2007 , 19, 323-340	40
1264	Structural and magnetic studies of Mn-doped ZnO. 2007 , 42, 34-38	61
1263	Growth and characterizations of ZnO and Co-doped ZnO films for their use in spintronic. 2007 , 42, 185-190	13
1262	Characterizations of ferromagnetic Zn _{1-x} CoxO thin films grown on Al ₂ O ₃ (0001) by reactive radio-frequency magnetron sputtering coupled with post-growth annealing. 2007 , 515, 2864-2871	20
1261	Structure and RT ferromagnetism of Fe-doped AlN films. 2007 , 253, 5431-5435	16

1260	Structure and magnetic properties of (GaAs) Mn and (GaAs) Fe clusters. 2007 , 439, 95-101	10
1259	Correlation of electrical properties with magnetic properties for ferromagnetic (Ga _{1-x} Mnx)As epilayer. 2007 , 7, 156-159	3
1258	Interfacial phase formation during growth of ferromagnetic CdCr ₂ Se ₄ on AlGaAs and ZnSe/AlGaAs. 2007 , 55, 4625-4634	
1257	Theory of carrier mediated ferromagnetism in dilute magnetic oxides. 2007 , 322, 2618-2634	88
1256	Local structure of Mn implanted in gallium arsenide. 2007 , 261, 570-573	7
1255	Fe-doped and (Zn, Fe) co-doped CdS films: Could the Zn doping affect the concentration of and the optical properties?. 2007 , 389, 248-251	35
1254	Magnetic properties of Mn-doped cubic silicon carbide. 2007 , 394, 122-126	40
1253	The magnetic interaction of Fe doped ZnO with intrinsic defects: A first principles study. 2007 , 401-402, 451-453	20
1252	A spin polarizer made of a diluted magnetic semiconductor quantum well. 2007 , 398, 389-392	3
1251	Anomalous photoluminescence of InAs quantum dots implanted by Mn ions. 2007 , 36, 221-225	4
1250	Magneto-transport properties of MnGeP ₂ ferromagnetic semiconductor. 2007 , 310, 2117-2119	1
1249	Growth and characterization of ferromagnetic cubic GaCrN: Structural and magnetic properties. 2007 , 301-302, 651-655	5
1248	Formation and properties of MnAs magnetic nanoscaled dots on sulfur-passivated semiconductor substrates. 2007 , 301-302, 619-622	1
1247	High-temperature growth of Mn-irradiated InAs quantum dots. 2007 , 301-302, 797-800	4
1246	Theoretical study of alloy phase stability in zincblende Ga _{1-x} MnxAs. 2007 , 301-302, 631-633	1
1245	Effect of substrate temperature on the properties of heavily Mn-doped GaAs. 2007 , 301-302, 264-267	5
1244	Molecular beam epitaxy and magnetic properties of GaMnNAs. 2007 , 301-302, 642-646	4
1243	Atmospheric oxygen in Mn doped GaAs/GaAs(001) thin films grown by molecular beam epitaxy. 2007 , 301-302, 54-57	4

1242	Existence of localized spins in pair delta-doped GaAs structures. 2007 , 301-302, 662-665	2
1241	MBE growth of Mn-doped Zn _{1-x} As compounds on (0 0 1) InP substrates. 2007 , 301-302, 656-661	23
1240	Low temperature growth of Si:Ce thin films with high crystallinity and uniform distribution of Ce grown by solid-source molecular beam epitaxy. 2007 , 307, 30-34	5
1239	Magnetization of free standing GaMnAs. 2007 , 308, 204-207	1
1238	Molecular-beam epitaxial growth and characterization of ferromagnetic cubic GaCrN on GaAs substrate. 2007 , 308, 58-62	1
1237	Ab-initio study of transition temperature of Mn-doped GaN diluted magnetic semiconductor (Poster Presentation). 2007 , 7, 2110003-2110004	
1236	Electrical transport in Mn-doped GaAs pn-diodes. 2007 , 204, 791-804	13
1235	Formation of precipitates in Mn doped ZnO layers deposited by magnetron sputtering. 2007 , 204, 99-105	3
1234	Atomic layer epitaxy of GaMnAs on GaAs(001). 2007 , 204, 992-997	1
1233	Magnetotransport of holes through an AlAs/GaAs/AlAs resonant tunnelling quantum well with a ferromagnetic Ga _{1-x} Mnx As emitter. 2007 , 204, 3463-3477	
1232	Transport and magnetic properties of the diluted magnetic semiconductors Sb _{1.98-x} V _{0.02} Cr _x Te ₃ and Sb _{1.984-x} V _{0.016} Mn _y Te ₃ . 2007 , 244, 2202-2209	6
1231	Laser controlled magnetization in bulk Zn _{1-x} Mnx Te. 2007 , 244, 1680-1684	3
1230	The growth of high quality GaMnAs layers and heterostructures by molecular beam epitaxy. 2007 , 244, 2944-2949	
1229	Ab initio electronic band structure calculations of half-metallic calcium pnictides. 2007 , 244, 4643-4650	3
1228	Half metallic ferromagnetism of Mn doped AlSb: A first principles study. 2007 , 244, 4435-4438	25
1227	Rietveld refinement of the semiconducting system Bi _{2-x} FexTe ₃ from X-ray powder diffraction. 2007 , 42, 1986-1994	26
1226	Improvement of Curie temperature in Mn selectively -doped GaAs/AlGaAs heterostructures by self-consistent analysis. 2007 , 313, 17-20	3
1225	Magnetism and electronic structure of Cr-doped rutile from first-principles calculations. 2007 , 313, 210-213	29

1224	Pinned Spin Depth Profile of an Oxidized-Mn/Ga _{1-x} Mn _x As Exchange Bias Bilayer: The Effects of Overannealing. 2007 , 43, 3016-3018	2
1223	Growth and Transport Studies in M/I/Sp-SC Magnetic Tunnel Diodes Containing Different Tunnel Barrier Materials. 2007 , 43, 2809-2811	5
1222	Spintronics. 2007 , 54, 907-920	46
1221	. 2007 , 54, 945-954	22
1220	Oxide Spintronics. 2007 , 54, 1003-1023	305
1219	Properties of Heavily Mn-doped GaMnAs with Curie Temperature of 172.5 K. 2007 , 20, 417-420	10
1218	Channel Thickness Dependence of the Magnetic Properties in (Ga,Mn)As FET Structures. 2007 , 20, 409-411	3
1217	Analysis of magnetic mechanisms of 3d-doped ZnO diluted magnetic semiconductors by an abnormal peak on M-T curve. 2007 , 52, 2742-2746	7
1216	Two opposite gradients of hole density in as-grown and annealed (Ga,Mn)As layers. 2007 , 308, 313-317	4
1215	Annealing temperature dependence of ferromagnetism in Co-doped TiO ₂ nanofibres. 2007 , 140, 10-14	4
1214	Magnetic and Magnetotransport Properties of Diluted Magnetic Semiconductor (Ga,Mn)Sb Crystals. 2008 , 21, 391-397	15
1213	Structural and magnetic properties of MnAs/GaAs ferromagnetic semiconductor nanocomposite material. 2008 , 19, 740-743	1
1212	Diffusion profiles and magnetic properties of Mn-implanted silicon after thermal annealing. 2008 , 19, 263-268	
1211	Mn and other magnetic impurities in GaN and other III-V semiconductors [perspective for spintronic applications]. 2008 , 19, 828-834	27
1210	Local electronic structure and magnetic properties of 3d transition metal doped GaAs. 2008 , 51, 470-480	4
1209	Magneto-transport Properties of a GaMnAs-Based Ferromagnetic Semiconductor Trilayer Structure Grown on a ZnMnSe Buffer. 2008 , 37, 912-916	6
1208	Origin, development, and future of spintronics (Nobel Lecture). 2008 , 47, 5956-67	90
1207	Growth and structural properties of Zn _{1-x} Cr _x Te crystals. 2008 , 310, 26-30	12

1206	Properties of InMnP (0 0 1) grown by MOVPE. 2008 , 310, 4046-4049	4
1205	Growth and characterization of manganese-doped InAsP. 2008 , 310, 5028-5031	
1204	Ferromagnetic Mn modulation-doped two-dimensional hole systems. 2008 , 40, 1563-1565	11
1203	Ultrafast optical studies of diffusion barriers between ferromagnetic Ga(Mn)As layers and non-magnetic quantum wells. 2008 , 40, 2163-2165	8
1202	Mn-including InAs quantum dots fabricated by Mn implantation. 2008 , 40, 2869-2873	3
1201	First-principles calculations for magnetic properties of Mn-doped GaN nanotubes. 2008 , 372, 2688-2691	11
1200	Ferromagnetism and possible application in spintronics of transition-metal-doped ZnO films. 2008 , 62, 1-35	570
1199	EPR and susceptibility studies on (ZnS) _{1-x} (MnTe) _x powders. 2008 , 69, 688-91	5
1198	Magnetic behavior of MnAs precipitates in Ga _{1-x} Mn _x As diluted magnetic semiconductor. 2008 , 320, 662-665	10
1197	Transport properties of a spin polarizer for electrons. 2008 , 320, e400-e403	
1196	Optical properties of III-Mn-V ferromagnetic semiconductors. 2008 , 320, 3207-3228	81
1195	Half-metallic ferromagnetism in Cr-doped AlP—density functional calculations. 2008 , 145, 590-593	57
1194	Half-metallic ferromagnetism in Ca-doped AlN from first-principles study. 2008 , 147, 254-257	18
1193	Observation of ferromagnetic ordering in Ni-doped AlN polycrystalline powders. 2008 , 148, 406-409	35
1192	The present and the future of spintronics. 2008 , 517, 2-5	86
1191	Absence of ferromagnetism in nanocrystalline. 2008 , 403, 2602-2608	17
1190	Analysis of Mn K edge X-ray absorption spectrum in by full potential calculations. 2008 , 403, 2847-2850	1
1189	Transport, magnetic, optical and thermodynamic properties of Bi _{2-x} Mn _x Se ₃ single crystals. 2008 , 403, 3553-3558	37

1188	Ferromagnetic properties of Mn-doped AlN. 2008 , 403, 4096-4099	25
1187	Re-crystallization of Mn implanted GaAs by He ⁺ ion irradiation. 2008 , 266, 1734-1736	5
1186	Spin-dependent shot noise in diluted-magnetic-semiconductor/ semiconductor heterostructures. 2008 , 62, 45-51	7
1185	Nanosized superparamagnetic precipitates in cobalt-doped ZnO. 2008 , 63, 437-444	55
1184	Local Structural Evolution of Co-Doped ZnO Nanoparticles upon Calcination Studied by in Situ Quick-Scan XAFS. 2008 , 112, 3489-3495	28
1183	Ferromagnetism in InMnAs layers at room temperature. 2008 , 50, 52-55	7
1182	. 2008 , 96, 212-229	28
1181	Phase diagrams of a model diluted fcc magnet with arbitrary spin and modified RKKY interaction: Influence of external magnetic field and structural short-range order. 2008 , 77,	12
1180	Magneto-optical properties of (Ga,Mn)As: An ab initio determination. 2008 , 77,	22
1179	Magnetic coupling and electric conduction in oxide diluted magnetic semiconductors. 2008 , 77,	52
1178	Nobel Lecture: Origin, development, and future of spintronics*. 2008 , 80, 1517-1530	707
1177	Chapter 3 Fermi Level Effects on Mn Incorporation in III-Mn-V Ferromagnetic Semiconductors. 2008 , 82, 89-133	1
1176	Chapter 5 Spintronic Properties of Ferromagnetic Semiconductors. 2008 , 207-240	3
1175	Chapter 6 Spintronic Nanodevices. 2008 , 82, 241-286	
1174	Some Basic Spintronics Concepts. 2008 , 99-127	
1173	Fundamentals of Spintronics in Metal and Semiconductor Systems. 2008 , 59-114	1
1172	Surface segregation of interstitial manganese in Ga _{1-x} Mn _x As studied by hard x-ray photoemission spectroscopy. 2008 , 78,	12
1171	Carrier-induced ferromagnetism in Ge _{0.92} Mn _{0.08} Te epilayers with a Curie temperature up to 190 K. <i>Applied Physics Letters</i> , 2008 , 93, 252502	3.4 62

1170	Doped semiconductors as half-metallic materials: Experiments and first-principles calculations of $\text{CoTi}_{1-x}\text{M}_x\text{Sb}$ ($\text{M}=\text{Sc}, \text{V}, \text{Cr}, \text{Mn}, \text{Fe}$). 2008 , 77,	38
1169	Ferromagnetism in GaN:Gd: a density functional theory study. 2008 , 100, 127203	133
1168	Hybrid Spintronic Structures With Magnetic Oxides and Heusler Alloys. 2008 , 44, 2959-2965	15
1167	Functional Nanostructures. 2008 ,	6
1166	IV-VI diluted magnetic semiconductor $\text{Ge}_{1-x}\text{Mn}_x\text{Te}$ epilayer grown by molecular beam epitaxy. 2008 , 103, 053904	23
1165	Vacancy-induced magnetism in SnO_2 : A density functional study. 2008 , 78,	182
1164	The formation and electronic structures of 3d transition-metal atoms doped in silicon nanowires. 2008 , 104, 084307	10
1163	Ab initio theory of excitons and optical properties for spin-polarized systems: Application to antiferromagnetic MnO. 2008 , 77,	74
1162	Chemical synthesis and magnetotransport of magnetic semiconducting $\text{Fe}_{1-x}\text{Co}_x\text{Si}$ alloy nanowires. 2008 , 8, 810-5	66
1161	Pressure-induced metallization and resonant Raman scattering in $\text{Zn}_{1-x}\text{Mn}_x\text{Te}$. 2008 , 104, 013503	7
1160	Magneto-optical and magnetotransport properties of amorphous ferromagnetic semiconductor $\text{Ge}_{1-x}\text{Mn}_x$ thin films. <i>Applied Physics Letters</i> , 2008 , 93, 193108	3-4 16
1159	Disorder effects produced by the Mn and H incorporations on the optical absorption edge of $\text{Ga}_{1-x}\text{Mn}_x\text{As:H}$ nanocrystalline films. 2008 , 354, 5372-5377	7
1158	Investigations on the effect of gaseous environment during synthesis on the magnetic properties of Mn-doped ZnO. 2008 , 458, 523-527	10
1157	Transport and magnetic properties of Mn-doped MgIn_2O_4 . 2008 , 461, 316-320	
1156	Correlation effects in CrZinc chalcogenides. 2008 , 44, 303-309	7
1155	Diffusion of interstitial Mn in the dilute magnetic semiconductor (Ga,Mn)As: the effect of a charge state. 2008 , 101, 177204	13
1154	The discovery, development and future of GMR: The Nobel Prize 2007. 2008 , 41, 093001	103
1153	Ursprung, Entwicklung und Zukunft der Spintronik (Nobel-Vortrag). 2008 , 120, 6042-6054	7

1152	Origin of the anomalous magnetic circular dichroism spectral shape in ferromagnetic Ga(1-x)MnxAs: impurity bands inside the band gap. 2008 , 100, 067204	85
1151	Ferromagnetic semiconductors and the role of disorder. 2008 , 10, 055008	28
1150	OMVPE growth and characterization of Ga1-xMnxAs diluted magnetic semiconductor. 2008 ,	
1149	Chapter 9 Exchange Interactions and Nanoscale Phase Separations in Magnetically Doped Semiconductors. 2008 , 82, 371-432	2
1148	Optical properties of (GaAs) _n clusters (n = 2-16). 2008 , 112, 10728-35	29
1147	Structure, magnetic and optical properties, and Hall effect of Co- and Fe-doped SnO ₂ films. 2008 , 77,	41
1146	Spin-wave excitations and low-temperature magnetization in the dilute magnetic semiconductor (Ga,Mn)As. 2008 , 77,	13
1145	Local Structures of Zn _{1-x} TM _x O (TM = Co, Mn, and Cu) Nanoparticles Studied by X-ray Absorption Fine Structure Spectroscopy and Multiple Scattering Calculations. 2008 , 112, 13410-13418	17
1144	Structural growth sequences and electronic properties of manganese-doped germanium clusters: MnGe ₂ ($\sqrt{5}$). 2008 , 20, 335223	21
1143	MODELING FERROMAGNETISM IN DILUTE MAGNETIC SEMICONDUCTORS: INSIGHTS FROM MICROSCOPIC CALCULATIONS. 2008 , 22, 57-62	
1142	Preparation and characterization of epitaxial Fe ₂ Ti _x O ₃ films with various Ti concentrations (0.5. 2008 , 104, 033713	12
1141	Optical momentum alignment and spin orientation of hot electrons in GaAs/AlAs superlattices. 2008 , 23, 114016	1
1140	The structure and energetics of (GaAs) _n , (GaAs) _n ⁽⁻⁾ , and (GaAs) _n ⁽⁺⁾ (n=2-15). 2008 , 128, 144707	35
1139	High tunneling magnetoresistance in Fe/GaO _x /Ga _{1-x} MnxAs with metal/insulator/semiconductor structure. <i>Applied Physics Letters</i> , 2008 , 93, 172515	3-4 13
1138	Study on Absence of Room-Temperature Ferromagnetism in the Mn-AlN Films With Various Mn Concentrations. 2008 , 44, 2688-2691	1
1137	Growth Parameter Dependence of Structural Characterizations of Diluted Magnetic Semiconductor (Ga, Cr)As. 2008 , 44, 2692-2695	3
1136	Intrinsic room temperature ferromagnetism in Co-implanted ZnO. 2008 , 41, 165001	29
1135	Electronic and magnetic properties of manganese and iron-doped Ga(n)As(n) nanocages (n=7-12). 2008 , 129, 044908	21

1134	The origin, development and future of spintronics. 2008 , 178, 1336	46
1133	Growth of Mn ₅ Ge ₃ ultrathin film on Ge(111). 2008 , 17, 3902-3906	1
1132	High spin polarization in ternary GeMnTe compounds based on rocksalt semiconducting GeTe. 2008 , 20, 135225	1
1131	Properties of Ga _{1-x} MnxAs with high x (>0.1). 2008 , 103, 07D136	19
1130	From Diamagnetism to Dilute Magnetism in Semiconductors. 2008 ,	1
1129	Phase coherent transport in (Ga,Mn)As. 2008 , 10, 055016	9
1128	Materials Design of CuAlO ₂ -Based Dilute Magnetic Semiconductors by First-Principles Calculations and Monte Carlo Simulations. 2008 , 47, 6488-6495	17
1127	Carrier-mediated ferromagnetism in p-Si(100) by sequential ion-implantation of B and Mn. 2008 , 20, 095004	10
1126	Metal-semiconductor transition and magnetic properties of epitaxially grown MnAs ₂ /GaAs superlattices. 2008 , 103, 07B501	2
1125	Planar Hall effect and uniaxial in-plane magnetic anisotropy in Mn doped GaAs _{1-x} Al _x GaAs heterostructures. 2008 , 77,	27
1124	Microstructure, magnetic, and spin-dependent transport properties of (Zn,Cr)Te films fabricated by magnetron sputtering. 2008 , 77,	5
1123	Local structure of Mn in hydrogenated Ga _{1-x} MnxAs. 2008 , 78,	13
1122	Spatially resolved inhomogeneous ferromagnetism in (Ga,Mn)As diluted magnetic semiconductors: a microscopic study by muon spin relaxation. 2008 , 101, 027202	22
1121	Effects of annealing and chemical doping on magnetic properties in Co-doped ZnO films. 2008 , 78,	40
1120	Effect of charge manipulation on scanning tunneling spectra of single Mn acceptors in InAs. 2008 , 77,	48
1119	Proposal for a new class of materials: spin gapless semiconductors. 2008 , 100, 156404	440
1118	Effect of substrate orientation on magnetic properties of (Ga, Mn)As. 2008 , 103, 07B509	1
1117	Strain, luminescence, and electrical properties of Zn _{1-x} MnxS nanocrystalline films prepared on silicon wafers. 2008 , 104, 013532	6

1116	Crystal structure effect on the ferromagnetic correlations in ZnO with magnetic impurities. 2008 , 104, 103906		10
1115	Ferromagnetic GaMnAs grown on (110) faced GaAs. <i>Applied Physics Letters</i> , 2008 , 92, 102506	3-4	16
1114	Broadband electrical detection of spin excitations in Ga _{0.98} Mn _{0.02} As using a photovoltage technique. <i>Applied Physics Letters</i> , 2008 , 92, 232106	3-4	13
1113	Optical, magnetic, and transport behaviors of Ge _{1-x} Mn _x Te ferromagnetic semiconductors grown by molecular-beam epitaxy. 2008 , 104, 063912		21
1112	Depth profile photoemission study of thermally diffused Mn/GaAs (001) interfaces. 2008 , 103, 103717		3
1111	Strain control of the magnetic anisotropy in (Ga,Mn) (As,P) ferromagnetic semiconductor layers. <i>Applied Physics Letters</i> , 2008 , 93, 021123	3-4	55
1110	Spin-dependent density of states in Ga _{1-x} Mn _x As probed by tunneling spectroscopy. <i>Applied Physics Letters</i> , 2008 , 92, 192512	3-4	6
1109	Temperature dependence of effective g factor in diluted magnetic semiconductor (Ga,Mn)As. 2008 , 103, 053901		6
1108	Chapter 8 Magnetic Impurities in Wide Band-gap III-V Semiconductors. 2008 , 325-369		8
1107	Interplay between the exchange and Coulomb interactions in a ferromagnetic semiconductor quantum dot. 2008 , 77,		13
1106	Proximity effect in ferromagnetic semiconductor/superconductor junctions. 2008 , 104, 063903		4
1105	Magnetic properties of Mn-doped chalcopyrites: (BeSn,BeGe,MgGe)N ₂ . 2008 , 103, 07D109		4
1104	Carrier spin polarization in digital Mn/GaAs ferromagnetic structures studied with hot electron photoluminescence. 2008 , 77,		10
1103	Atomic arrangements of (Ga _{1-x} Mn _x)N nanorods grown on Al ₂ O ₃ substrates. <i>Applied Physics Letters</i> , 2008 , 92, 141919	3-4	3
1102	Metal-insulator transition by isovalent anion substitution in Ga _{1-x} Mn _x As: implications to ferromagnetism. 2008 , 101, 087203		32
1101	Nature of magnetic coupling between Mn ions in As-grown Ga _{1-x} Mn _x As studied by X-ray magnetic circular dichroism. 2008 , 100, 247202		38
1100	Evidence for a magnetic proximity effect up to room temperature at Fe/(Ga, Mn)As interfaces. 2008 , 101, 267201		81
1099	Dopant-assisted concentration enhancement of substitutional Mn in Si and Ge. 2008 , 100, 027205		47

1098	Carrier-mediated antiferromagnetic interlayer exchange coupling in diluted magnetic semiconductor multilayers Ga _{1-x} Mn _x As/GaAs:Be. 2008 , 101, 237202	54
1097	Large anomalous Hall resistance of p-doped GaAs structures grown by molecular-beam epitaxy. 2008 , 103, 043703	4
1096	Crystallographically oriented Co and Ni nanocrystals inside ZnO formed by ion implantation and postannealing. 2008 , 77,	158
1095	Electronic structures and p-d exchange interaction of Mn-doped diluted magnetic semiconductors. 2008 , 78,	11
1094	Quantum transport in ferromagnetic permalloy nanostructures. 2008 , 78,	14
1093	Mn-doped silicon nanowires: First-principles calculations. 2008 , 78,	13
1092	Intrinsic ferromagnetism due to cation vacancies in Gd-doped GaN: First-principles calculations. 2008 , 78,	80
1091	Magnetic GaAs resonant tunnelling diodes with a Mn-doped emitter. 2008 , 100, 052074	
1090	Magnetotransport in ferromagnetic schottky diodes made of Mn-doped GaAs. 2008 , 100, 052075	
1089	Ferromagnetic resonance in CdCrTe solid solution. 2008 , 104, 012010	6
1088	A new diluted magnetic semiconductor: The half-metallic ferromagnet CoTi _{1-x} Fe _x Sb. 2008 , 103, 07D115	12
1087	Scaling of the anomalous Hall effect in low Mn concentration (Ga,Mn)As. 2008 , 103, 07D134	9
1086	Ferromagnetism in (Mn,Li) co-doped CdSe. 2008 , 84, 57012	3
1085	Enhanced Electron-Electron Interactions in GaAs Layers Doped with High Concentrations of Donor and Acceptor Impurities. 2008 , 77, 074721	4
1084	Tunneling spectroscopy in Fe ₂ ZnSe _{1-x} Ga _{1-x} Mn _x As magnetic tunnel diodes. 2008 , 103, 07D127	4
1083	Electrical Curie temperature modulation in (Ga,Mn)As field-effect transistors with Mn composition from 0.027 to 0.200. 2008 , 103, 07D139	6
1082	Effect of Vanadium Doping on Structure and Properties of ZnSe Films Prepared by Metal-Organic Vapor Phase Epitaxy. 2009 , 50, 719-722	6
1081	III-V-Based Ferromagnetic Semiconductors. 2009 , 277-315	1

1080	Optical spin orientation in strained Ge/SiGe quantum wells: A tight-binding approach. 2009 , 80,		12
1079	Gate control of low-temperature spin dynamics in two-dimensional hole systems. 2009 , 80,		31
1078	Critical behavior from the anomalous Hall effect in (GaMn)As. 2009 , 80,		5
1077	Ferromagnetic Sc-doped AlN sixfold-symmetrical hierarchical nanostructures. <i>Applied Physics Letters</i> , 2009 , 95, 162501	3-4	47
1076	Spin relaxation and dephasing mechanism in (Ga,Mn)As studied by time-resolved Kerr rotation. <i>Applied Physics Letters</i> , 2009 , 94, 142109	3-4	13
1075	MnSe phase segregation during heteroepitaxy of Mn doped Ga ₂ Se ₃ on Si(001). <i>Applied Physics Letters</i> , 2009 , 95, 241907	3-4	4
1074	Tunneling anisotropic spin polarization in lateral (Ga,Mn)As/GaAs spin Esaki diode devices. <i>Applied Physics Letters</i> , 2009 , 95, 152101	3-4	15
1073	Structure, magnetization, and low-temperature spin dynamic behavior of zincblende Mn-rich Mn(Ga)As nanoclusters embedded in GaAs. 2009 , 105, 053912		5
1072	Magnetic and half-metallic properties of MPo (M=Ti, V, Cr, Mn, Fe) compounds. 2009 , 105, 063905		21
1071	On the origin of room-temperature ferromagnetism in wide-gap semiconductors. 2009 , 35, 53-57		16
1070	Hybridization between the conduction band and 3d orbitals in the oxide-based diluted magnetic semiconductor In ₂ VxO ₃ . 2009 , 79,		7
1069	Origin of resonance structures in magneto-optical spectra of InSb and In _{1-x} MnxSb. 2009 , 80,		4
1068	Electron spin relaxation in paramagnetic Ga(Mn)As quantum wells. 2009 , 79,		30
1067	Observation of the magnetic soft mode in (Cd,Mn)Te quantum wells using spin-flip Raman scattering. 2009 , 80,		5
1066	Electrical spin injection and detection in lateral all-semiconductor devices. 2009 , 79,		111
1065	Electronic structure and thermodynamic properties of Fe ₂ VGa. 2009 , 80,		13
1064	Ferrimagnetism in strained Fe ₂ As thin films on Si(001). 2009 , 105, 07A946		6
1063	Segregation and formation of MnP particles during rapid thermal annealing of Mn-implanted InP and GaP. 2009 , 106, 013914		10

1062	Electronic structure studies of Fe-doped ZnO nanorods by x-ray absorption fine structure. 2009 , 42, 175406	32
1061	Anisotropic half-metallic ground state of Mn atomic wire on GaAs(110). 2009 , 27, 2062	6
1060	X-ray absorption near-edge structure of GaN with high Mn concentration grown on SiC. 2009 , 21, 295801	9
1059	Structural and magnetic properties of Co-doped (La,Sr)TiO ₃ epitaxial thin films probed using x-ray magnetic circular dichroism. 2009 , 21, 406001	3
1058	Ferromagnetism in Co-doped (La,Sr)TiO ₃ . 2009 , 11, 073042	13
1057	Antisymmetric magnetoresistance anomalies and magnetic domain structure in GaMnAs/InGaAs layers. 2009 , 24, 065011	13
1056	Electrical and magnetic properties of La _{0.35} Sr _{0.65} Ti _{1-x} Fe _x O ₃ thin films. 2009 , 21, 426003	6
1055	Anomalous Hall resistance in Ge:Mn systems with low Mn concentrations. <i>Applied Physics Letters</i> , 2009 , 95, 172103	3-4 16
1054	Raman scattering study on Ga _{1-x} Mn _x As prepared by Mn ions implantation, deposition and post-annealing. 2009 , 44, 215-220	8
1053	XPS and STM study of Mn incorporation on the GaAs(001) surface. 2009 , 46, 258-265	2
1052	Magnetic studies on ZnTe:Cr film grown on glass substrate by thermal evaporation method. 2009 , 255, 7517-7523	10
1051	Ferromagnetism as a universal feature of inorganic nanoparticles. 2009 , 4, 96-106	350
1050	Structural, optical, magnetic and electrical properties of Zn _{1-x} Co _x O thin films. 2009 , 20, 60-73	5
1049	Progress in ZnO-based diluted magnetic semiconductors. 2009 , 61, 72-75	26
1048	Semiconductor magnetism: excitements and promises. 2009 , 83, 479-484	1
1047	Study of high energy Mn ⁺¹ ion implantation in GaAs. 2009 , 94, 89-94	5
1046	Ferromagnetic semiconductor GaMnAs. 2009 , 12, 14-21	47
1045	The structural, morphological and magnetic characteristics of Mn-implanted nonpolar a-plane GaN films. 2009 , 206, 91-93	4

1044	Non-DMS related ferromagnetism in transition metal doped zinc oxide. 2009 , 246, 1147-1167	53
1043	Photoemission of Ga _{1-x} Mn _x As with high Curie temperature and transformation into MnAs of zincblende structure. 2009 , 246, 1435-1439	7
1042	Evidence for reversible control of magnetization in a ferromagnetic material by means of spin-orbit magnetic field. 2009 , 5, 656-659	372
1041	Inter-impurity and impurity-host magnetic correlations in semiconductors with low-density transition-metal impurities. 2009 , 404, 1159-1168	7
1040	Beta-detected NMR study of the local magnetic field in epitaxial GaAs:Mn. 2009 , 404, 892-895	4
1039	Exciton localization effect in Mn-implanted GaN by photoluminescence measurements. 2009 , 404, 1222-1225	1
1038	Ab initio study of the magnetic interaction of Co and Ni doped ZnO with intrinsic vacancies. 2009 , 404, 4791-4793	5
1037	Small FeMn clusters: Magnetic order and magnetic moment. 2009 , 149, 210-213	11
1036	Implications and consequences of ferromagnetism universally exhibited by inorganic nanoparticles. 2009 , 149, 1197-1200	66
1035	Effects of depositing rate on structure and magnetic properties of Mn:TiO ₂ films grown by plasma-assisted molecular beam epitaxy. 2009 , 156, 90-93	13
1034	Mn deposition on GaAs(001)-c(4x4) reconstructed surfaces: A scanning-tunneling-microscopy study. 2009 , 311, 2135-2138	3
1033	Crystal growth and characterization of GaCrN nanorods on Si substrate. 2009 , 311, 2962-2965	3
1032	On the understanding of the microscopic origin of the properties of diluted magnetic semiconductors by atom probe tomography. 2009 , 321, 935-943	11
1031	Structural, electronic and magnetic properties of Cr-doped (ZnTe) ₁₂ clusters. 2009 , 321, 235-240	20
1030	Fabrication of ferromagnetic (Ga,Mn)As by ion irradiation. 2009 , 321, 1130-1132	10
1029	Analysis of Raman scattering of Ga _{1-x} Mn _x As dilute magnetic semiconductor. 2009 , 321, 2257-2259	3
1028	Magnetic and magneto-optical studies on Zn _{1-x} Cr _x Te (x=0.05) films grown on glass substrate. 2009 , 321, 4108-4114	8
1027	Mn behaviors in Mn-implanted ZnO. 2009 , 57, 2291-2299	17

1026	NONLOCAL ELECTRONIC SPIN DETECTION, SPIN ACCUMULATION AND THE SPIN HALL EFFECT. 2009 , 23, 2413-2438		63
1025	Optimization of Mn doping in group-IV-based dilute magnetic semiconductors by electronic codopants. 2009 , 79,		36
1024	Ferromagnetic GaAs/GaMnAs core-shell nanowires grown by molecular beam epitaxy. 2009 , 9, 3860-6		83
1023	Room-Temperature Ferromagnetic Ga _{1-x} MnxAs (x=0.05) Nanowires: Dependence of Electronic Structures and Magnetic Properties on Mn Content. 2009 , 21, 1137-1143		28
1022	Room temperature ferromagnetism in Fe-doped BaSnO ₃ . 2009 , 472, 9-12		54
1021	Effects of Co doping on structural, morphological and transport properties of sol-gel AZO thin films. 2009 , 487, 269-273		23
1020	High-temperature ferromagnetism in Co-implanted TiO ₂ rutile. 2009 , 42, 115005		40
1019	Local environment analysis of dopants in ceramics by x-ray absorption near-edge structure with the aid of first-principles calculations. 2009 , 21, 104211		11
1018	Low-temperature magnetotransport behaviors of heavily Mn-doped (Ga,Mn)As films with high ferromagnetic transition temperature. <i>Applied Physics Letters</i> , 2009 , 95, 182505	3-4	114
1017	Spintronics and Novel Magnetic Materials for Advanced Spintronics. 2009 , 485-510		0
1016	Low effective barrier height of GaOx tunnel barrier in metal/semiconductor hybrid junctions. <i>Applied Physics Letters</i> , 2009 , 94, 152101	3-4	10
1015	Magnetism and band gap narrowing in Cu-doped ZnO. <i>Applied Physics Letters</i> , 2009 , 94, 142502	3-4	172
1014	Non-transition-metal doped diluted magnetic semiconductors. <i>Applied Physics Letters</i> , 2009 , 94, 102504	3,4	60
1013	Magnetic properties of Mn-doped 6H-SiC. <i>Applied Physics Letters</i> , 2009 , 94, 102508	3-4	54
1012	The relationship of the magnetic properties of M (M = Mn, Fe, Co)-doped ZnO single crystals and their electronic structures. 2009 , 21, 026009		12
1011	Magnetic properties of M-doped (M=Mn, Cr, or V) ZnSiN ₂ . 2009 , 105, 07C509		6
1010	Magnetic and electrical properties of p-type Mn-doped CuCrO ₂ semiconductors. 2009 , 42, 055009		37
1009	Enhancement of the spin accumulation at the interface between a spin-polarized tunnel junction and a semiconductor. 2009 , 102, 036601		184

1008	Magnetism of individual atoms adsorbed on surfaces. 2009 , 603, 1812-1830		98
1007	Hole spin polarization in the exchange field of the dilute magnetic (Ga,Mn)As semiconductor studied by means of polarized hot-electron photoluminescence spectroscopy. 2009 , 80,		11
1006	Observation of room temperature ferromagnetism in ZnTe:Cr films grown onto glass substrate by thermal evaporation method. 2009 , 153, 012048		5
1005	The magnetic properties of (Cr, V)-doped ZnGeN ₂ . 2010 , 200, 062022		1
1004	Control of Ferromagnetism in Magnetic Semiconductors and Application for Spin-polarized Electron Source. 2010 , 49, 570-574		
1003	Current induced effective magnetic field and magnetization reversal in uniaxial anisotropy (Ga,Mn)As. <i>Applied Physics Letters</i> , 2010 , 97, 222501	3-4	54
1002	Magnetic cluster development in In _{1-x} MnxSb semiconductor alloys. 2010 , 8,		7
1001	Electronic structure and magnetic coupling properties of Gd-doped AlN: first-principles calculations. 2010 , 77, 345-349		7
1000	Simulation of magnetization switching by electric-field manipulation of magnetic anisotropy. <i>Applied Physics Letters</i> , 2010 , 96, 192506	3-4	40
999	Electrically defined ferromagnetic nanodots. 2010 , 10, 4505-8		12
998	Time-resolved studies of electron and hole spin dynamics in modulation-doped GaAs/AlGaAs quantum wells. 2010 , 494, 415-445		62
997	Distribution of doped Mn at the B (1 1 2) grain boundary in Ge. 2010 , 71, 370-374		2
996	Applicability of the polymeric precursor method to the synthesis of nanometric single- and multi-layers of Zn _{1-x} MnxO (x = 0.0-0.3). 2010 , 45, 5398-5405		2
995	. 2010 , 46, 1565-1568		5
994	High-Resolution Soft X-Ray Microscopy for Imaging Nanoscale Magnetic Structures and Their Spin Dynamics. 2010 , 7-37		
993	Alteration of magnetic and optical properties of ultrafine dilute magnetic semiconductor ZnO:Co ²⁺ nanoparticles. 2010 , 345, 149-53		62
992	First principles calculations of electronic structure and magnetic properties of Cr-based magnetic semiconductors Al _{1-x} Cr _x X (X=N, P, As, Sb). 2010 , 183, 242-249		21
991	Magnetoresistance of InMnAs magnetic semiconductors. 2010 , 42, 1447-1450		21

990	In-plane anisotropy of tunneling magnetoresistance and spin polarization in lateral spin injection devices with (Ga,Mn)As/GaAs spin-Esaki diode contacts. 2010 , 42, 2673-2675	3
989	Ab-initio calculation of magnetic properties of Mn-doped ZnGeN ₂ . 2010 , 322, 1182-1184	3
988	Ab initio investigation of local magnetic structures around substitutional 3d transition metal impurities at cation sites in IIIV and IIIV semiconductors. 2010 , 322, 290-297	25
987	Synthesis of ferromagnetic semiconductor 0.67FeTiO ₃ 0.33Fe ₂ O ₃ powder by chemical co-precipitation. 2010 , 322, 824-826	14
986	Easy axis reorientation and magneto-crystalline anisotropic resistance of tensile strained (Ga,Mn)As films. 2010 , 322, 3250-3254	3
985	First principles calculations of Co-doped zinc-blende ZnO magnetic semiconductor. 2010 , 405, 1447-1451	15
984	Electronic structure and magnetic properties in Nitrogen-doped from density functional calculations. 2010 , 150, 852-856	10
983	Quenching of magnetization in (III, Mn)V magnetic semiconductor quantum wells under intense laser field assisted by the quasi-two-dimensional electron gas. 2010 , 150, 1082-1087	
982	Structural and magnetic properties of Si _{1-x} CoxC. 2010 , 150, 1840-1844	13
981	As3d core level studies of (GaMn)As annealed under As capping. 2010 , 604, 125-128	3
980	Influence of dopant level on structural, optical and magnetic properties of Co-doped anatase TiO ₂ nanoparticles. 2010 , 256, 4757-4760	36
979	Materials science perspectives for oxide ferromagnetic semiconductors. 2010 , 46, 1437-1458	3
978	Is it really intrinsic ferromagnetism? Interview by Fabio Pulizzi. 2010 , 9, 956-7	52
977	A model ferromagnetic semiconductor. Interview by Fabio Pulizzi. 2010 , 9, 955-6	25
976	More than just room temperature. 2010 , 9, 951	12
975	Characterization of Room-Temperature Ferromagnetic Zn _{1-x} CoxO Nanowires. 2010 ,	0
974	Magnetic Characterizations of Sol-Gel-Produced Mn-Doped ZnO. 2010 , 2010, 1-3	4
973	Grain boundaries controlled magnetic and magnetotransport properties of reactively sputtered polycrystalline and epitaxial Fe ₃ O ₄ films. 2010 , 43, 265002	11

- 972 Quantum Transport in Diluted Magnetic Semiconductors. **2010**, 383-418
- 971 Andreev reflection and incoherent spin-polarized transport in ferromagnetic semiconductor/d-wave superconductor/ferromagnetic semiconductor tunnel junctions with {110} interfaces. **2010**, 107, 093708
- 970 The effect of impurities on spin-polarized Zeeman bound states in dilute magnetic semiconductor-superconductor hybrids. **2010**, 107, 034307 2
- 969 Magnetic and thermodynamic properties of cobalt-doped iron pyrite: Griffiths phase in a magnetic semiconductor. **2010**, 81, 17
- 968 Magnetic anisotropy of epitaxial (Ga,Mn)As on (113)A GaAs. **2010**, 81, 28
- 967 Magnetization reorientation in $GaxMn_{1-x}As$ films: Planar Hall effect measurements. **2010**, 81, 11
- 966 Adjustable anisotropy in ferromagnetic (Ga,Mn) (As,P) layered alloys. **2010**, 81, 59
- 965 Valence-band structure of the ferromagnetic semiconductor GaMnAs studied by spin-dependent resonant tunneling spectroscopy. **2010**, 104, 167204 40
- 964 First-principles studies of interlayer exchange coupling in (Ga, Mn)As-based diluted magnetic semiconductor multilayers. **2010**, 108, 053703 11
- 963 Interpretation of hysteresis loops of GaMnAs in the framework of the Stoner-Wohlfarth model. **2010**, 108, 043921 4
- 962 Magnetic polarons in ferromagnetic semiconductor single-electron transistors. **2010**, 81, 15
- 961 First-principles calculation of magnetic circular dichroism spectra of magnetic semiconductors. **2010**, 82, 1
- 960 Magnetic trends in $GaxMn_{1-x}N$, $AlxMn_{1-x}N$, and $InxMn_{1-x}N$ ternary systems: A first-principles study. **2010**, 108, 123904 14
- 959 Magnetism and clustering in Cr-doped InN. *Applied Physics Letters*, **2010**, 97, 242509 3-4 17
- 958 ANOMALOUS HALL EFFECT IN PARAMAGNETIC 2DEG WITH LINEAR AND CUBIC DRESSELHAUS SPIN-ORBIT COUPLING. **2010**, 24, 2107-2112 2
- 957 Mn-doped Ge and Si: A Review of the Experimental Status. **2010**, 3, 5054-5082 29
- 956 Element Specific Versus Integral Structural and Magnetic Properties of Co:ZnO and Gd:GaN Probed with Hard X-ray Absorption Spectroscopy. **2010**, 3, 3565-3613 18
- 955 Anomalous Hall effect in Fe/Gd bilayers. **2010**, 90, 27004 24

954	The effects of aluminum doping for the magnetotransport property of Si:Ce thin films. 2010 , 107, 09C308		3
953	Origin of ferromagnetism in self-assembled Ga _{1-x} MnxAs quantum dots grown on Si. <i>Applied Physics Letters</i> , 2010 , 97, 242505	3-4	6
952	Electrically driven magnetization of diluted magnetic semiconductors actuated by the Overhauser effect. 2010 , 22, 216002		1
951	Superconducting spintronics: Spin-polarized transport in superconducting junctions with ferromagnetic semiconducting contact. 2010 , 107, 041101		11
950	Electronic structure and magnetic properties of Mn-doped ZnO nanotubes: An ab initio study. 2010 , 108, 084308		20
949	Curie temperature versus hole concentration in field-effect structures of Ga _{1-x} MnxAs. 2010 , 81,		61
948	Self-Assembly and Enhanced Magnetic Properties of Three-Dimensional Superlattice Structures Composed of Cube-Shaped EuS Nanocrystals. 2010 , 22, 1776-1781		37
947	Nanoscale potential fluctuations in (GaMn)As/GaAs heterostructures: from individual ions to charge clusters and electrostatic quantum dots. 2010 , 10, 4874-9		5
946	Universal properties of linear magnetoresistance in strongly disordered MnAs-GaAs composite semiconductors. 2010 , 82,		62
945	Surface-induced magnetism in C-doped SnO ₂ . <i>Applied Physics Letters</i> , 2010 , 96, 052508	3-4	56
944	Charge transport in cobalt-doped iron pyrite. 2010 , 81,		18
943	Long-Range Spin Currents with Chiral Crystals. 2010 , 3,		180
942	Doping of high concentration of Beryllium in GaAs layers, by molecular-beam epitaxy. 2010 , 503, 71-75		1
941	Hysteresis in the magnetotransport of manganese-doped germanium: Evidence for carrier-mediated ferromagnetism. 2010 , 81,		22
940	A ten-year perspective on dilute magnetic semiconductors and oxides. 2010 , 9, 965-74		1097
939	A novel route for the inclusion of metal dopants in silicon. 2010 , 21, 025304		3
938	Creation and Control of Spin Current in Solids. 2010 , 49, 110001		19
937	Tuning perpendicular magnetic anisotropy in (Ga,Mn)(As,P) by thermal annealing. <i>Applied Physics Letters</i> , 2010 , 97, 122504	3-4	11

- 936 Structural and magnetic properties of (Al, Fe)-codoped SiC. **2010**, 43, 415002 12
- 935 A Novel Excitation Control Equipment Design of Synchronous Motor. **2010**,
- 934 EFFECT OF VANADIUM CONTENT ON PHOTOLUMINESCENCE AND MAGNETIC PROPERTIES OF DOPED ZnO THIN FILMS. **2010**, 24, 945-951 4
- 933 Synthesis and characterization of Gd-doped InGaN thin films and superlattice structure. **2010**,
- 932 Observation of room temperature ferromagnetism in spray pyrolyzed polycrystalline $Ti_{1-x}Co_xO_2$ thin films. **2010**, 43, 015007 6
- 931 Plasma-assisted MOCVD growth of GaMnN. **2010**,
- 930 Metastable structure and magnetism of Cr-doped AlN in AlN/TiN multilayers. **2010**, 28, 62-65 5
- 929 Distinct local electronic structure and magnetism for Mn in amorphous Si and Ge. **2010**, 82, 26
- 928 Energetic stability and magnetic properties of MnO in the rocksalt, wurtzite, and zinc-blende structures: Influence of exchange and correlation. **2010**, 82, 52
- 927 Theoretical study of the structural stability, electronic, and magnetic properties of MBi (M=V, Cr, and Mn) compounds. **2010**, 107, 043910 16
- 926 Gate control and amplification of magnetoresistance in a three-terminal device. *Applied Physics Letters*, **2011**, 99, 152503 3-4 5
- 925 Enhancing the Curie temperature of ferromagnetic semiconductor (Ga,Mn)As to 200 K via nanostructure engineering. **2011**, 11, 2584-9 222
- 924 Transport spin polarization of high Curie temperature MnBi films. **2011**, 83, 43
- 923 Topological Insulator Cell for Memory and Magnetic Sensor Applications. **2011**, 4, 094201 45
- 922 Size-controlled aggregation of cube-shaped EuS nanocrystals with magneto-optic properties in solution phase. **2011**, 27, 104-8 26
- 921 Applications: Nanoelectronics and Nanomagnetism. **2011**, 375-415 2
- 920 A new route toward semiconductor nanospintronics: highly Mn-doped GaAs nanowires realized by ion-implantation under dynamic annealing conditions. **2011**, 11, 3935-40 43
- 919 III-V and Group-IV-Based Ferromagnetic Semiconductors for Spintronics. **2011**, 447-462

918	Electronic and magnetic structures of V-doped zinc blende $Zn_{1-x}V_xN_yO_{1-y}$ and Zn 1. 2011 , 20, 087504	4
917	Magnetic properties of MnSb inclusions formed in GaSb matrix directly during molecular beam epitaxial growth. 2011 , 109, 074308	12
916	Spin polarization measurement of homogeneously doped $Fe(1-x)Co(x)Si$ nanowires by Andreev reflection spectroscopy. 2011 , 11, 4431-7	33
915	Surface ferromagnetism in non-magnetic and dilute magnetic oxides. 2011 , 303, 012001	4
914	DC magnetization investigations in $Ti_{1-x}Mn_xO_2$ nanocrystalline powder. 2011 , 509, 7434-7438	8
913	Thermal diffusion of Mn through GaAs overlayers on (Ga, Mn)As. 2011 , 23, 085003	8
912	Dependence of MBE-grown $ZnSnAs_2:Mn$ epitaxial film properties on Mn doping level. 2011 , 21, 012026	1
911	Magnetic Properties of Transition-Metal-Doped Silicon Carbide Diluted Magnetic Semiconductors. 2011 ,	3
910	Magnetization Dependent Current Rectification in (Ga,Mn)As Magnetic Tunnel Junctions. 2011 , 4, 063004	
909	Spintronics: Current Status and Future Prospects. 2011 , 32, 120-127	1
908	Microstructures and Magnetism of Silicon co-implanted with Manganese and Carbon ions. 2011 , 281, 012030	1
907	$Zn_{1-x}Co_xO$ film valence by photoelectron spectroscopy. 2011 , 263, 012018	1
906	Magnetic anisotropy and magnetization reversal of (Ga,Mn)As dot-array. 2011 , 109, 07C319	1
905	Ab-initio calculation of magnetic properties of Gd-doped $ZnGe_2$. 2011 , 109, 07C315	2
904	Interstitial Donor Codoping Method in (Ga,Mn)As to Increase Solubility of Mn and Curie Temperature. 2011 , 4, 043003	12
903	Electrical and magneto resistance studies of bulk $Ga_{1-x}Ni_xSb$ ternary alloys. 2011 , 13, 232-238	5
902	Valence state analysis of Mn and Fe ions in room-temperature ferromagnetic Mn- and Fe-codoped In_2O_3 . 2011 , 151, 1749-1752	5
901	Raman scattering and magnetizations studies of (Al, Cr)-codoped 4H-SiC. 2011 , 323, 2876-2882	31

900	Size and grain morphology dependent magnetic behaviour of Co-doped ZnO. 2011 , 46, 1933-1937	26
899	Room temperature ferromagnetism in sputtered Zn _{1-x} Cr _x O thin films. 2011 , 65, 2728-2730	9
898	Magnetic Properties of Zn _{1-x} Co _x O Thin Films Grown by RF Magnetron Co-Sputtering in Ar and N ₂ O Atmosphere. 2011 , 47, 3995-3998	2
897	Electrodynamics of correlated electron materials. 2011 , 83, 471-541	501
896	Dominancy of antiferromagnetism in Zn _{1-x} Co _x O diluted magnetic semiconductors. 2011 , 46, 1830-1838	14
895	Room temperature ferromagnetism in solvothermally synthesized pure CdSe and CdSe:Ni nanorods. 2011 , 22, 1456-1459	10
894	Ferromagnetism in One Layer of Self-organized InMnAs Quantum Dots. 2011 , 24, 1393-1396	3
893	High-Temperature DC-Magnetisation Investigation on Undoped and 5 at.% Cobalt Incorporated TiO ₂ Nanopowders. 2011 , 24, 839-843	4
892	Electronic and magnetic properties of semimagnetic semiconductors Hg _{1-x} Mn _x Te. 2011 , 24, 1617-1622	7
891	Optical properties and ferromagnetism of ternary Cd _{1-x} Mn _x Te nanocrystals. 2011 , 13, 5799-5807	1
890	Antiferromagnetic interactions in Er-doped SnO ₂ DMS nanoparticles. 2011 , 13, 4623-4630	22
889	Structural and magnetic properties of nanoclusters in GaMnAs granular layers. 2011 , 184, 1530-1539	8
888	Effect of Be codoping on the photoluminescence spectra of GaMnAs. 2011 , 11, 735-739	
887	Wavelet-XAFS investigation for Mn:Si diluted magnetic semiconductor thin films. 2011 , 22, 25-32	1
886	GaGdN/AlGaIn multiple quantum disks grown by RF-plasma-assisted molecular-beam epitaxy. 2011 , 208, 1576-1578	2
885	Novel multifunctional materials based on oxide thin films and artificial heteroepitaxial multilayers. 2011 , 208, 232-251	41
884	GaAs/MnAs nanowires. 2011 , 248, 1576-1580	10
883	First-principles study on the electronic structure of dilute magnetic semiconductor Ga _{1-x} Cr _x P in zinc-blende phase. 2011 , 248, 1258-1263	8

882	Curie temperatures of the concentrated and diluted Kondo-lattice model as a possible candidate to describe magnetic semiconductors and metals. 2011 , 248, 2192-2202		2
881	Ordered InAs nanodots formed on the patterned GaAs substrate by molecular beam epitaxy. 2011 , 14, 108-113		1
880	Spin polarization and spin-dependent transmittance in II-VI diluted magnetic semiconductor heterostructure. 2011 , 323, 334-339		
879	Effects of calcining temperature on structural and magnetic properties of nanosized Fe-doped NiO prepared by diol-based sol-gel process. 2011 , 323, 2408-2412		14
878	Magnetic and optical properties of self-organized InMnAs quantum dots. 2011 , 72, 181-184		12
877	Room temperature ferromagnetism in undoped and Fe doped ZnO nanorods: Microwave-assisted synthesis. 2011 , 184, 391-400		152
876	Structure and magnetic properties of Ti _{1-x} Co _x O ₂ nanoparticles prepared by chemical route. 2011 , 321, 19-23		12
875	Controlling Mn depth profiles in GaMnAs during high-temperature molecular beam epitaxial growth. 2011 , 327, 42-45		2
874	Microfabrication of dilute magnetic semiconducting Ti _{1-x} Co _x O ₂ films using photosensitive sol-gel method. 2011 , 519, 1985-1988		15
873	Anomalous Hall Effect and Magnetoresistance in Mn-Doped ZnSnAs ₂ Epitaxial Film on InP Substrates. 2011 , 50, 01BE12		3
872	Magnetic Properties of Zn _{1-x} Mn _x O and Zn _{1-x} Mn _x Li _x O Nano Materials. 2011 , 24, 340-342		1
871	Ce-Induced Reconstruction of Si(001) Surface Structures. 2011 , 50, 065701		
870	The ground state phase diagram of the diluted ferromagnetic Kondo-lattice model. 2011 , 23, 276006		2
869	Spintronics of nanostructured manganese germanium (MnGe) dilute magnetic semiconductor. 2011 , 575-609		0
868	Improved tunneling magnetoresistance in (Ga,Mn)As/AlO _x /CoFeB magnetic tunnel junctions. <i>Applied Physics Letters</i> , 2011 , 98, 262501	3-4	11
867	Above-bandgap magneto-optical Kerr effect in ferromagnetic Ga _{1-x} Mn _x As. 2011 , 83,		16
866	Robust room temperature ferromagnetism in Cu doped ZnO thin films. <i>Applied Physics Letters</i> , 2011 , 99, 042504	3-4	39
865	Influence of Mn dopants on InAs/GaAs quantum dot electronic states. <i>Applied Physics Letters</i> , 2011 , 98, 141907	3-4	4

864	Ferromagnetism in antiferromagnetic NiO-based thin films. 2011 , 110, 043921	11
863	Homogeneous amorphous $\text{Fe}_x\text{Ge}_{1-x}$ magnetic semiconductor films with high Curie temperature and high magnetization. 2011 , 83,	8
862	Electrical control of ferromagnetism and bias anomaly in Mn-doped semiconductor heterostructures. 2011 , 84,	6
861	Detected NMR of Li in $\text{Ga}_{1-x}\text{Mn}_x\text{As}$. 2011 , 84,	11
860	Voids and Mn-rich inclusions in a $(\text{Ga},\text{Mn})\text{As}$ ferromagnetic semiconductor investigated by transmission electron microscopy. 2011 , 109, 083546	13
859	Formation process and superparamagnetic properties of $(\text{Mn},\text{Ga})\text{As}$ nanocrystals in GaAs fabricated by annealing of $(\text{Ga},\text{Mn})\text{As}$ layers with low Mn content. 2011 , 84,	22
858	Spintronic Devices Based on Semiconductors. 2011 , 540-562	1
857	Electric and Magnetic Field Tunable Rectification and Magnetoresistance in $\text{Fe}_x\text{Ge}_{1-x}/\text{Ge}$ Heterojunction Diodes. 2011 , 28, 107501	1
856	Preparation and Properties of Diluted Magnetic Semiconductors GaMnAs by Low-Temperature Molecular Epitaxy. 2011 , 28, 097101	5
855	Semimagnetic Semiconductors. 2011 , 95-124	0
854	Growth and characterization of transition-metal and rare-earth doped III-nitride semiconductors for spintronics. 2011 , 1290, 1	
853	Ab-Initio Calculation of the Basic Magnetic Properties of $(\text{Mn}, \text{Cr}, \text{V})$ -doped MgSiN_2 . 2011 , 303, 012076	5
852	EFFECTS OF PHOTO-EXCITATION AND MAGNON SCATTERING ON FERROMAGNETIC TRANSITION TEMPERATURE OF THE DILUTED MAGNETIC SEMICONDUCTOR $(\text{Ga}_{1-x}, \text{Mn}_x)\text{As}$. 2011 , 25, 273-280	1
851	Cyclotron resonance in InMnAs and InMnSb ferromagnetic films. 2011 , 334, 012056	2
850	Microstructure and Magnetic Properties of the CoTiO_2 Thin Films. 2012 , 557-559, 661-664	
849	Magnetic Characteristics of Mn-Implanted GaN Nanorods Followed by Thermal Annealing. 2012 , 2012, 1-6	
848	Modified electrical transport probe design for standard magnetometer. 2012 , 83, 033904	13
847	Room-Temperature Ferromagnetism in $(\text{III},\text{Mn})\text{Sb}$ Semiconductors. 2012 , 190, 109-112	

- 846 Tunable Ferromagnetism above Room-Temperature in Self-Assembled (In,Mn)As Diluted Magnetic Semiconductor Quantum Dots on Be-Doped Al_xGa_{1-x}As Template by Molecular Beam Epitaxy. **2012**, 476-478, 793-798
- 845 Strain effect on the diffusion of interstitial Mn in GaAs. **2012**, 24, 215801 2
- 844 Growth and characterization of n-type electron-induced ferromagnetic semiconductor (In,Fe)As. *Applied Physics Letters*, **2012**, 101, 182403 3-4 61
- 843 Adjustable nitrogen-vacancy induced magnetism in AlN. *Applied Physics Letters*, **2012**, 100, 122401 3-4 34
- 842 Digging up bulk band dispersion buried under a passivation layer. *Applied Physics Letters*, **2012**, 101, 242103 20
- 841 Magnetic characteristics of Fe₃O₄/Be₂O₃ hybrid cubes. **2012**, 111, 033925 9
- 840 Magneto-optic Kerr effect of ferromagnetic semiconducting MnGeP₂ thin films. **2012**,
- 839 Effect of oxygen partial pressure and Fe doping on growth and properties of metallic and insulating molybdenum oxide thin films. **2012**, 111, 083905 3
- 838 Coherent growth of GaGdN layers with high Gd concentration on GaN(0001). *Applied Physics Letters*, **2012**, 101, 221902 3-4 6
- 837 X-ray magnetic dichroism in the (Zn, Co)O diluted magnetic semiconductors from first principle calculations. **2012**, 111, 073702 4
- 836 Half-metallic ferromagnetism in (CrN)₁/(GaN)₁ (001) and (VN)₁/(InN)₁ (001) superlattices. **2012**, 112, 083703 3
- 835 Contact resistance as a probe of near-interface ferromagnetism in GaMnAs/Cu bilayers. *Applied Physics Letters*, **2012**, 100, 212403 3-4 2
- 834 Electron effective mass in n-type electron-induced ferromagnetic semiconductor (In,Fe)As: Evidence of conduction band transport. *Applied Physics Letters*, **2012**, 101, 252410 3-4 40
- 833 Hall effect for indirect excitons in an inhomogeneous magnetic field. **2012**, 86, 3
- 832 Symmetry and nonstoichiometry as possible origins of ferromagnetism in nanoscale oxides. **2012**, 85, 15
- 831 A combined first principle calculations and experimental study on the spin-polarized band structure of Co-doped PbPdO₂. *Applied Physics Letters*, **2012**, 101, 222104 3-4 11
- 830 Ab initio calculations of the magnetic properties of Mn impurities on GaAs (110) surfaces. **2012**, 85, 13
- 829 CURIE TEMPERATURE OF 3d TRANSITION-METAL-DOPED GaAs. **2012**, 26, 1250116

828	Magneto-Transport Study of Pure and Co Doped ZnO Thin Films. 2012 , 48, 3426-3429		1
827	Application of Positron Beams to the Investigation of Memristive Materials and Diluted Magnetic Semiconductors. 2012 , 331, 235-251		
826	Nitrogen induced ferromagnetism in Cobalt doped BaTiO ₃ . 2012 , 2, 032148		1
825	Ferromagnetic GeMn thin film prepared by ion implantation and ion beam induced epitaxial crystallization annealing. <i>Applied Physics Letters</i> , 2012 , 100, 242412	3-4	5
824	Depth profile of the tetragonal distortion in thick GaMnAs layers grown on GaAs by Rutherford backscattering/channeling. 2012 , 2, 042102		4
823	Electric field tuning of spin splitting in a quantum dot coupled to a semimagnetic quantum dot. 2012 , 111, 093705		5
822	Bias-induced destruction of ferromagnetism and disorder effects in GaMnAs heterostructures. 2012 , 11, 280-286		1
821	Magnetic and electronic properties of be-doped low-temperature grown GaAs layers. 2012 ,		
820	Static and dynamic magnetic properties of epitaxial Fe _{1.7} Ge thin films grown on Ge(111). 2012 , 111, 07D502		6
819	Controlled Synthesis of Ferromagnetic Semiconducting Silicon Nanotubes. 2012 , 116, 8000-8007		10
818	On Fabrication of High Concentration Mn Doped Si by Ion Implantation: Problem and Challenge. 2012 , 32, 408-411		1
817	EDetected NMR Search for Magnetic Phase Separation in Epitaxial GaAs:Mn. 2012 , 30, 174-177		
816	Study of the magnetic and structural properties of Mn-, Fe-, and Co-doped ZnO powder. 2012 , 407, 3229-3232		21
815	Nonmagnetic spin-field-effect transistor. <i>Applied Physics Letters</i> , 2012 , 101, 082407	3-4	6
814	Spintronic oxides grown by laser-MBE. 2012 , 45, 033001		97
813	Electrical control of ferromagnetic state. 2012 , 324, 3379-3384		7
812	Structural and magnetic properties of Mn:TiO ₂ films grown by plasma-assisted molecular beam epitaxy. 2012 , 177, 869-872		6
811	Emergence of half metallicity in Cr-doped GaP dilute magnetic semiconductor compound within solubility limit. 2012 , 536, 214-218		49

810	First principle study on the electronic and magnetic properties in Zn _{0.75} Cr _{0.25} M (M = S, Se, Te) semiconductors. 2012 , 539, 271-275	12
809	Half-metallic ferromagnetism in alkaline earth selenides by first principles calculations. 2012 , 54, 219-226	14
808	Bulk electronic structure of the dilute magnetic semiconductor Ga(1-x)Mn(x)As through hard X-ray angle-resolved photoemission. 2012 , 11, 957-62	98
807	Development of ferromagnetic semiconductors for applications in spin electronics: State and outlook. 2012 , 41, 443-452	
806	Electronic and optical spectra in a diluted magnetic semiconductor multilayer. 2012 , 85, 1	1
805	Spintronic Materials, Synthesis, Processing and Applications. 2012 , 193-228	1
804	Formation of the ferromagnetic semiconductor InMnP:Zn through low-temperature annealing by using Mn/InP:Zn bilayer. 2012 , 61, 1065-1069	1
803	Effect of Fe alloying on the structural, optical, electrical and magnetic properties of spray-deposited CuO thin films. 2012 , 61, 449-454	20
802	Incorporation, valence state, and electronic structure of Mn and Cr in bulk single crystal Ga ₂ O ₃ . 2012 , 111, 123716	31
801	Ferromagnetic semiconductors: Battle of the bands. 2012 , 11, 360-1	41
800	Magnetic properties of Mn doped BN compound. 2012 , 52, 880-884	12
799	Structure and magnetic properties of Ni-doped AlN films. 2012 , 112, 053911	28
798	An ab-initio study of the structural, electronic and magnetic properties of half-metallic ferromagnetism in Cr-doped BeSe and BeTe. 2012 , 14, 1525-1535	61
797	First principles and Monte Carlo study of Mn-doped CuCl/CuBr as room-temperature ferromagnetism materials. 2012 , 111, 063913	3
796	Half-Heusler compounds: novel materials for energy and spintronic applications. 2012 , 27, 063001	255
795	Observation the Optical Characteristics of ZnS and Mn-Doped ZnS Nanoparticles. 2012 ,	
794	Molecular beam epitaxial growth and magnetotransport properties of GaMnAs. 2012 , 2, 21-43	2
793	Mn-induced modifications of Ga 3d photoemission from (Ga, Mn)As: evidence for long range effects. 2012 , 24, 435802	1

792	GaMnAs: Position of Mn-d levels and majority spin band gap predicted from GGA-1/2 calculations. <i>Applied Physics Letters</i> , 2012 , 100, 202408	3-4	21
791	Guided Self-Assembly of Mn Wires on the Si(100)(2 × 1) Surface. 2012 , 116, 1670-1678		11
790	Valence-band structure of ferromagnetic semiconductor (In,Ga,Mn)As. 2012 , 86,		19
789	First Synthesis of EuS Nanoparticle Thin Film with a Wide Energy Gap and Giant Magneto-Optical Efficiency on a Glass Electrode. 2012 , 116, 19590-19596		19
788	Modified Becke-Johnson Approach for Governing Half Metallic Ferromagnetism in Cr-Doped GaP DMS Compound. 2012 , 585, 265-269		0
787	Optical and electrical characteristics of Mn-doped InN grown by plasma-assisted molecular beam epitaxy. 2012 , 209, 95-99		7
786	Critical scattering in the vicinity of the metal-insulator transition in Mn-doped GaAs. 2012 , 249, 834-839		
785	Ab initio investigation of FeAs/GaAs heterostructures for potential spintronic and superconducting applications. 2012 , 85,		5
784	Magnetism of Co-doped ZnO epitaxially grown on a ZnO substrate. 2012 , 85,		49
783	Self-consistent GW calculation of the electronic structure of co-doped ZnO. 2012 , 60, 292-296		
782	Magnetic Properties of Zn _{0.8} (Fe _{0.1} ,Co _{0.1})O Diluted Magnetic Semiconductors: Experimental and Theoretical Investigation. 2012 , 25, 1515-1521		6
781	Grazing incidence polarized neutron scattering in reflection geometry from nanolayered spintronic systems. 2012 , 78, 1-58		10
780	Effects of local relaxation on electronic structure of substitutional Mn atoms in (GaMn)As. 2012 , 86, 601-604		6
779	Room temperature magnetic properties of Cu-doped titanate, TiO ₂ (B) and anatase nanorods synthesized by hydrothermal method. 2012 , 132, 175-179		34
778	Ion-beam synthesis of magnetic semiconductors. 2012 , 272, 78-87		12
777	First-principles analysis on V-doped GaN. 2012 , 34, 1593-1597		23
776	Optical and Magnetic Properties of Ten-Period InGaMnAs/GaAs Quantum Wells. 2013 , 26, 3529-3532		3
775	Optical Properties of Mn-Implanted GaN Nanorods. 2013 , 26, 687-691		1

774	Enhancement of the Curie temperature of ferromagnetic semiconductor (Ga,Mn)As. 2013 , 56, 99-110	17
773	Crystal structure and magnetic properties of nanosized Mg(Fe _{0.8} Ga _{0.2}) ₂ O ₄ -films on Si substrates. 2013 , 58, 498-504	9
772	High-temperature diamond-like Si-based ferromagnet with self-organized superlattice distribution of Mn impurity. 2013 , 96, 706-709	5
771	Magnetic Solid-State Materials. 2013 , 271-316	0
770	Structural, Electronic and Magnetic Properties of Zinc-Blende Ga _{1-x} TM _x N (TM = Cr, Mn, Fe, V). 2013 , 26, 3339-3348	14
769	Band gap and function engineering for novel functional alloy semiconductors: Bloomed as magnetic properties at room temperature with $\sqrt{2}$ (GaFe) ₂ O ₃ . 2013 , 113, 233901	53
768	Oxygen vacancy and dopant concentration dependent magnetic properties of Mn doped TiO ₂ nanoparticle. 2013 , 13, 1025-1031	86
767	Magnetic Properties of Al-doped B ₄ C and SiC Ceramics. 2013 , 96, 3494-3499	2
766	Magnetic/Multifunctional Double Perovskite Oxide Thin Films. 2013 , 51-87	2
765	Defect-Induced Optical and Magnetic Properties of Colloidal Transparent Conducting Oxide Nanocrystals. 2013 , 163-194	5
764	Control of magnetic anisotropy in (Ga,Mn)As with etching depth of specimen boundaries. 2013 , 378, 381-384	1
763	Note: simultaneous measurements of magnetization and electrical transport signal by a reconstructed superconducting quantum interference device magnetometer. 2013 , 84, 086103	2
762	Bipolar magnetic materials for electrical manipulation of spin-polarization orientation. 2013 , 15, 15793-801	52
761	Long-range ferromagnetic ordering in manganese-doped two-dimensional dichalcogenides. 2013 , 88,	234
760	The synthesis and characterization of 1111-type diluted magnetic semiconductors (La _{1-x} Sr _x)(Zn _{1-x} TM _x)AsO (TM = Mn, Fe, Co). 2013 , 103, 67011	8
759	Reducing self-compensating Mn interstitials in (Ga, Mn)As via nanostructure engineering. 2013 , 46, 175005	6
758	Emergence of pressure-induced metamagnetic-like state in Mn-doped CdGeAs ₂ chalcopyrite. <i>Applied Physics Letters</i> , 2013 , 103, 192403	3-4 14
757	Lattice properties, energy states and optical spectra of Mn _x Ga _{1-x} As magnetic semiconductors. 2013 , 64, 237-244	8

- 756 Effect of an arsenic flux on the molecular-beam epitaxy of self-catalytic (Ga,Mn)As nanowire crystals. **2013**, 47, 1416-1421 2
- 755 Systematic and consistent ferromagnetism in InMnP:Zn bilayers for various Mn concentrations and annealing temperatures. **2013**, 63, 2158-2164
- 754 Possibility of spin-polarized electric current through Mn-, Fe-, Co-, or Ni-doped BaSi₂ predicted by their calculated densities of states. **2013**, 344, 25-29 2
- 753 Oxide magnetic semiconductors: Materials, properties, and devices. **2013**, 22, 088505 23
- 752 Contributions of magnetic properties in epitaxial copper-doped ZnO. **2013**, 15, 13153-61 20
- 751 Control of spin in a La(Mn,Zn)AsO alloy by carrier doping. **2013**, 1, 7197 16
- 750 Structural stability, band structure and magnetic properties of ZnS and Zn_{0.75}Cr_{0.25}S under pressure. **2013**, 549, 184-189 13
- 749 Intrinsic magnetism in nanosheets of SnO₂: A first-principles study. **2013**, 328, 104-108 27
- 748 Molecular beam epitaxy of III^V ferromagnetic semiconductors. **2013**, 477-486
- 747 Molecular beam epitaxy: fundamentals, historical background and future prospects. **2013**, 1-46 7
- 746 First-Principles Study on Half-Metallic Full-Heusler Compound Mn₂ZnSi. **2013**, 26, 389-395 3
- 745 New diluted ferromagnetic semiconductor with Curie temperature up to 180 K and isostructural to the '122' iron-based superconductors. **2013**, 4, 1442 128
- 744 Itinerant magnetism in doped semiconducting FeSi_{1-x} and CrSi₂. **2013**, 3, 3517 9
- 743 Diluted ferromagnetic semiconductor Li(Zn,Mn)P with decoupled charge and spin doping. **2013**, 88, 63
- 742 Simulation study of an electrically read- and writable magnetic logic gate. **2013**, 112, 188-192 1
- 741 Epitaxial growth of ferromagnetic semiconductor Ga_{1-x}MnxAs film on Ge(001) substrate. **2013**, 536, 323-326 3
- 740 Ferromagnetism in Cr doped In₂O₃. **2013**, 531, 481-486 19
- 739 Photoluminescence properties in GaGdN grown on GaN(0001) by PA-MBE. **2013**, 378, 310-313

738	Control of magnetic anisotropy by external fields in ferromagnetic (Ga,Mn)As. 2013 , 157, 34-37	4
737	Effective optical Faraday rotations of semiconductor EuS nanocrystals with paramagnetic transition-metal ions. 2013 , 135, 2659-66	20
736	Incorporation of Mn atoms into the GaAs(110) surface. 2013 , 378, 50-52	1
735	The essential role of carefully optimized synthesis for elucidating intrinsic material properties of (Ga,Mn)As. 2013 , 4, 1422	74
734	All zinc-blende GaAs/(Ga,Mn)As core-shell nanowires with ferromagnetic ordering. 2013 , 13, 1572-7	40
733	Investigations of Structural, Electronic, and Half-metallic Ferromagnetic Properties in (Al, Ga, In) _{1-x} M _x N (M = Fe, Mn) Diluted Magnetic Semiconductors. 2013 , 26, 515-525	36
732	Bridging semiconductor and magnetism. 2013 , 113, 136509	15
731	Giant magnetoresistance: history, development and beyond. 2013 , 56, 2-14	13
730	Formation of two-dimensionally confined superparamagnetic (Mn, Ga)As nanocrystals in high-temperature annealed (Ga, Mn)As/GaAs superlattices. 2013 , 25, 196005	4
729	Retracted Article: Doping, strain, defects and magneto-optical properties of Zn _{1-x} Mn _x O nanocrystals. 2013 , 15, 4438-4447	33
728	Ferromagnetism in sphalerite and wurtzite CdS nanostructures. 2013 , 8, 17	26
727	Origin of Ferromagnetism in Co-Implanted ZnO. 2013 , 57-84	0
726	Role of oxygen vacancies on the structure and density of states of iron-doped zirconia. 2013 , 87,	17
725	Magnetic Heusler Compounds. 2013 , 1-75	17
724	Spintronic Properties and Advanced Materials. 2013 , 103-124	
723	Stabilization of ferromagnetism in (Cr, V) co-doped ZnO diluted magnetic semiconductors. 2013 , 340, 86-90	13
722	Accounting oxygen vacancy for half-metallicity and magnetism in Fe-doped CeO ₂ dilute magnetic oxide. 2013 , 74, 114-118	40
721	Direct-current voltages in (Ga,Mn)As structures induced by ferromagnetic resonance. 2013 , 4, 2055	75

720	Demonstration of the spin solar cell and spin photodiode effect. 2013 , 4, 2068	52
719	Impact of current paths on measurement of tunneling magnetoresistance and spin torque critical current densities in GaMnAs-based magnetic tunnel junctions. 2013 , 113, 083702	1
718	A perspective of recent progress in ZnO diluted magnetic semiconductors. 2013 , 112, 241-254	35
717	Band gap, electronic and optical properties of Zn _{1-x} Cr _x S: An ab initio study. 2013 , 555, 117-122	29
716	First-principles calculations of magnetic properties for CdCrO ₂ under pressure. 2013 , 327, 76-78	4
715	Effect of oxygen vacancy on magnetism of ZnO:Co single-crystalline nanorods. 2013 , 327, 28-30	4
714	Magnetic properties of InMnAs nanodots prepared by MOVPE. 2013 , 327, 20-23	3
713	Carbon doped ZnO: Synthesis, characterization and interpretation. 2013 , 329, 146-152	105
712	Magnetic behavior of (MnN) ₁ /(AlN) ₁ , (MnN) ₁ /(GaN) ₁ , and (MnN) ₁ /(InN) ₁ superlattices. 2013 , 53, 16-23	9
711	Electric field control of thermal stability and magnetization switching in (Ga,Mn)As. <i>Applied Physics Letters</i> , 2013 , 103, 142418	3,4 18
710	New quantum matters: Build up versus high pressure tuning. 2013 , 56, 2337-2350	6
709	Room-Temperature Ferromagnetism in Ti-Doped AlN Film. 2013 , 146, 154-160	4
708	Fabrication of Corundum-Structured ϵ -(InFe) ₂ O ₃ Alloy Films on Sapphire Substrates by Inserting ϵ -Fe ₂ O ₃ Buffer Layer. 2013 , 1494, 221-225	1
707	Al Vacancy Induced Room-Temperature Ferromagnetic in Un-Doped AlN. 2013 , 772, 57-61	5
706	Enhanced magneto-optical properties of semiconductor EuS nanocrystals assisted by surface plasmon resonance of gold nanoparticles. 2013 , 19, 14438-45	11
705	Chromium-Doped ZnO Nanoparticles Synthesized by Co-Precipitation: Chromium Effects. 2013 , 04, 528-537	4
704	Annealing effect on magnetic anisotropy in ultrathin (Ga,Mn)As. 2013 , 22, 027504	
703	Magnetic, structural, electronic, and optical investigations of Ti _{1-x} Mn _x O ₂ films. 2013 , 28, 529-534	

702	NMR investigation of the diluted magnetic semiconductor $\text{Li}(\text{Zn}_{1-x}\text{Mn}_x)\text{P}$ ($x=0.1$). 2013 , 88,		31
701	Low-temperature evolution of the spectral weight of a spin-up carrier moving in a ferromagnetic background. 2013 , 88,		0
700	Origin of negative magnetoresistance of GaAs/(Ga,Mn)As core-shell nanowires. 2013 , 87,		17
699	Ferromagnetic nanocomposites as spintronic materials with controlled magnetic structure. 2013 , 39, 66-75		2
698	Effect of Sb incorporation on structure and magnetic properties of quaternary ferromagnetic semiconductor (Ga, Mn)(As, Sb) thin films. 2013 , 114, 243901		2
697	Controlled incorporation of Mn in GaAs: Role of surface reconstructions. 2013 , 87,		11
696	$(\text{La}_{1-x}\text{Ba}_x)(\text{Zn}_{1-x}\text{Mn}_x)\text{AsO}$: A two-dimensional 1111-type diluted magnetic semiconductor in bulk form. 2013 , 88,		61
695	Ferromagnetism and infrared electrostatics of $\text{Ga}_{1-x}\text{Mn}_x\text{As}$. 2013 , 87,		17
694	Hole concentration dependence of the Curie temperature of (Ga,Mn)Sb in a field-effect structure. <i>Applied Physics Letters</i> , 2013 , 103, 142402	3-4	5
693	K and Mn co-doped BaCd_2As_2 : A hexagonal structured bulk diluted magnetic semiconductor with large magnetoresistance. 2013 , 114, 223905		33
692	Effect of contact geometry on spin-transport signals in nonlocal (Ga,Mn)As/GaAs devices. 2013 , 88,		5
691	Ferromagnetic interfacial interaction and the proximity effect in a $\text{Co}_2\text{FeAl}/(\text{Ga,Mn})\text{As}$ bilayer. 2013 , 111, 027203		30
690	Annealing effect on surface morphology and electrical transport of PbPdO_2 and $\text{Pb}(\text{Pd,Co})\text{O}_2$. 2013 , 113, 014904		10
689	Oscillation of coercivity between positive and negative in $\text{Mn}_x\text{Ge}_{1-x}\text{H}$ ferromagnetic semiconductor films. 2013 , 22, 057503		1
688	STUDY OF V SUBSTITUTION EFFECT ON STRUCTURAL AND ELECTRONIC AND MAGNETIC PROPERTIES OF $\text{Zn}_{1-x}\text{V}_x\text{O}$ AND $\text{Zn}_{1-x}\text{V}_x\text{O}_2$ BY FIRST PRINCIPLES CALCULATIONS. 2013 , 27, 1350096		3
687	Sr and Mn co-doped LaCuSO : A wide band gap oxide diluted magnetic semiconductor with TC around 200 K. <i>Applied Physics Letters</i> , 2013 , 103, 022410	3-4	36
686	Poster: Spin-Related Phenomena. 2013 , 589-632		
685	Diluted magnetism in Mn-doped SrZnO_2 single crystals. 2013 , 114, 123903		2

684	X-Ray Magnetic Dichroism in the Cobalt-Doped Indium Tin Oxide from First Principle Calculations. 2013 , 2013, 1-10	1
683	. 2014 ,	2
682	Crafting ferromagnetism in Mn-doped MgO surfaces with p-type defects. 2014 , 15, 035008	6
681	Uniaxial strain-dependent magnetic and electronic properties of (Ga,Mn)As nanowires. 2014 , 23, 096103	2
680	Ferromagnetic GaMnP Prepared by Ion Implantation and Pulsed Laser Annealing. 2014 , 50, 1-4	4
679	Magnetic Semiconductors. 2014 , 1-24	
678	Ferromagnetic properties of Mn/graphene/SiO ₂ sheets. 2014 , 65, 728-732	1
677	Materials design of interstitial Be-doped ferromagnetic (In,Fe)As. 2014 , 53, 110307	9
676	Graphene Spintronics: Spin Generation and Manipulation in Graphene. 2014 , 167-188	
675	Sr _{0.9} K _{0.1} Zn _{1.8} Mn _{0.2} As ₂ : A ferromagnetic semiconductor with colossal magnetoresistance. 2014 , 107, 67007	8
674	The suppression of Curie temperature by Sr doping in diluted ferromagnetic semiconductor (La _{1-x} Sr _x)(Zn _{1-y} Mn _y)AsO. 2014 , 107, 17004	16
673	Homogeneous limit of Cd _{1-x} Mn _x GeAs ₂ alloy: Electrical and magnetic properties. 2014 , 115, 133917	11
672	Tuning diamagnetic-ferromagnetic transition in Mn doped CdS nanocrystals by crystal structure engineering. 2014 ,	
671	Ferromagnetic Half Metallicity in Doped Chalcopyrite Semiconductors Cu(Al _{1-x} A _x)Se ₂ (A = 3d Transition-Metal Atoms). 2014 , 83, 094702	8
670	Optical properties of serrated GaN nanowires. 2014 , 4, 1373	5
669	Systematic study of electronic and magnetic properties for Cu _{12-x} TM _x Sb ₄ S ₁₃ (TM = Mn, Fe, Co, Ni, and Zn) tetrahedrite. 2014 , 115, 143702	60
668	Properties of (Ga,Mn)As codoped with Li. <i>Applied Physics Letters</i> , 2014 , 104, 222408	3-4 1
667	Interplay between strain, quantum confinement, and ferromagnetism in strained ferromagnetic semiconductor (In,Fe)As thin films. <i>Applied Physics Letters</i> , 2014 , 104, 142406	3-4 12

666	Quantitative determination of the Mn site distribution in ultrathin Ga _{0.80} Mn _{0.20} As layers with high critical temperatures: A Rutherford backscattering channeling investigation. 2014 , 89,	6
665	Defects induced luminescence and tuning of bandgap energy narrowing in ZnO nanoparticles doped with Li ions. 2014 , 116, 083510	29
664	A comparative study on magnetism in Zn-doped AlN and GaN from first-principles. 2014 , 116, 103908	6
663	Observation of ferromagnetic semiconductor behavior in manganese-oxide doped graphene. 2014 , 4, 087120	5
662	Suppression of TC by overdoped Li in the diluted ferromagnetic semiconductor Li _{1+y} (Zn _{1-x} Mn _x)P:As BR investigation. 2014 , 90,	19
661	Raman scattering as a tool to characterize semiconductor crystals, thin layers, and low-dimensional structures containing transition metals. 2014 , 251, 1133-1143	4
660	Spin and orbital magnetic moments of Fe in the n-type ferromagnetic semiconductor (In,Fe)As. <i>Applied Physics Letters</i> , 2014 , 105, 032403	3-4 2
659	Theoretical Prediction of Magnetism in C-doped TlBr. 2014 , 89,	
658	High-field electroluminescence in semiconductor tunnel junctions with a Mn-doped GaAs layer. 2014 , 116, 113905	2
657	(Ca,Na)(Zn,Mn) ₂ As ₂ : A new spin and charge doping decoupled diluted ferromagnetic semiconductor. 2014 , 116, 163906	27
656	Activation and enhancement of room-temperature ferromagnetism in Cu-doped anatase TiO ₂ films by bound magnetic polaron and oxygen defects. 2014 , 6, 22243-9	21
655	(Sr,Na)(Zn,Mn) ₂ As ₂ : A diluted ferromagnetic semiconductor with the hexagonal CaAl ₂ Si ₂ type structure. 2014 , 90,	26
654	Titanium embedded cage structure formation in Al(n)Ti ⁺ clusters and their interaction with Ar. 2014 , 140, 174304	1
653	Twofold Andreev reflections and coherent transport in ferromagnetic semiconductor/d-wave superconductor/ferromagnetic semiconductor double tunneling junctions. 2014 , 115, 153904	
652	First-Principles Prediction on Long-Range Ferromagnetism Induced by Vacancies in SnO ₂ Nanosheet. 2014 , 83, 104601	1
651	Epitaxial growth and characterization of n-type magnetic semiconductor (In,Co)As. 2014 , 53, 04EM05	3
650	Localized sp ² exchange interaction in ferromagnetic Ga _{1-x} Mn _x As observed by magnetic circular dichroism spectroscopy of L-critical points. 2014 , 47, 355001	11
649	The formation of anomalous Hall effect depending on W atoms in ZnO thin films. 2014 , 303, 76-83	2

648	Tunable blue and orange emissions of ZnS:Mn thin films deposited on GaN substrates by pulsed laser deposition. 2014 , 147, 310-315	18
647	First Principles Study of Half-Metallic and Magnetic Properties of V Doped MgSiN ₂ Chalcopyrite. 2014 , 27, 257-261	8
646	First-Principles Investigation of Half-metallic Ferromagnetism in V-doped BeS, BeSe, and BeTe. 2014 , 27, 293-300	37
645	Ga-vacancy-induced room-temperature ferromagnetic and adjusted-band-gap behaviors in GaN nanoparticles. 2014 , 116, 185-191	8
644	(Sr ₃ La ₂ O ₅)(Zn _{1-x} Mn _x) ₂ As ₂ : A bulk form diluted magnetic semiconductor isostructural to the B2522 Fe-based superconductors. 2014 , 105, 67004	11
643	First principles study of the electronic structures and magnetic properties of transition metal-doped cubic indium nitride. 2014 , 21, 66-73	20
642	Room-temperature ferromagnetism in nanocrystalline Fe-doped NiO powders synthesized by a simple direct thermal decomposition method. 2014 , 10, 147-152	6
641	Magnetotransport and magnetization dynamics of GaMnAs thin films and magnetic tunnel junctions. 2014 , 251, 1652-1662	3
640	Visible-light electroluminescence in Mn-doped GaAs light-emitting diodes. <i>Applied Physics Letters</i> , 2014 , 104, 122409	3-4 4
639	Structural, chemical bonding, electronic and magnetic properties of KMF ₃ (M=Mn, Fe, Co, Ni) compounds. 2014 , 85, 402-408	36
638	Dilute ferromagnetic semiconductors: Physics and spintronic structures. 2014 , 86, 187-251	588
637	Magnetoresistance in silicon based ferrite magnetic tunnel junction. 2014 , 14, 259-263	8
636	Zinc oxide from dilute magnetic doping to spin transport. 2014 , 251, 1700-1709	26
635	Li _{1.1} (Zn _{1-x} Cr _x)As: Cr doped IIIV diluted magnetic semiconductors in bulk form. 2014 , 115, 083917	16
634	IIIV -Based Ferromagnetic Semiconductors. 2014 , 315-358	
633	First-principles study on electronic and magnetic properties of (Mn,Fe)-codoped ZnO. 2014 , 352, 66-71	29
632	Subsecond Annealing of Advanced Materials. 2014 ,	11
631	Transport properties of hybrids with ferromagnetic MnAs nanoclusters and their potential for new magnetoelectronic devices. 2014 , 26, 8079-95	22

630	Electronic structures and magnetic stabilities of 2D Mn-doped GaAs nanosheets: The role of long-range exchange interactions and doping strategies. 2014 , 116, 083912	8
629	(Ga,Fe)Sb: A p-type ferromagnetic semiconductor. <i>Applied Physics Letters</i> , 2014 , 105, 132402	3-4 35
628	DFT modeling of Mn charged states in Ga _{1-x} Mn _x As diluted ferromagnetic semiconductors: The cluster approach. 2014 , 48, 1010-1016	
627	Room-temperature electronically-controlled ferromagnetism at the LaAlO ₃ /SrTiO ₃ interface. 2014 , 5, 5019	102
626	Resistivity peaks and magnetic properties of an annealed graphene. 2014 , 50, 12930-2	9
625	CrXTe ₃ (X = Si, Ge) nanosheets: two dimensional intrinsic ferromagnetic semiconductors. 2014 , 2, 7071	262
624	Ferromagnetism at 230 K in (Ba _{0.7} K _{0.3})(Zn _{0.85} Mn _{0.15}) ₂ As ₂ diluted magnetic semiconductor. 2014 , 59, 2524-2527	73
623	Oxygen defect assisted paramagnetic to ferromagnetic conversion in Fe doped TiO ₂ nanoparticles. 2014 , 4, 29314	59
622	Ferromagnetism in cubic InN:Mn nanocrystals induced by surface Mn atoms. 2014 , 4, 43582-43585	1
621	Ferromagnetism in Nanostructured TiO ₂ /Al System Due to Surface Charge Transfer. 2014 , 118, 3789-3794	4
620	All-wurtzite (In,Ga)As-(Ga,Mn)As core-shell nanowires grown by molecular beam epitaxy. 2014 , 14, 4263-72	28
619	Recent progress in III-V based ferromagnetic semiconductors: Band structure, Fermi level, and tunneling transport. 2014 , 1, 011102	77
618	Sonochemical assisted synthesis and spectroscopic characterization of Fe ³⁺ doped ZnO diluted magnetic semiconductor. 2014 , 25, 4179-4186	17
617	Synthesis of Crystalline Pyramidal β-FeSi and Morphology- and Size-Dependent Ferromagnetism. 2014 , 118, 2222-2228	7
616	Spin-dependent phenomena and device concepts explored in (Ga,Mn)As. 2014 , 86, 855-896	110
615	Novel Synthesis and Effective Surface Protection of Air-Stable Luminescent Silicon Nanoparticles. 2014 , 118, 19778-19784	18
614	Structural and Magnetic Properties of Co diffused CdTe Nanocrystalline Thin Films Deposited by Electron Beam Evaporation. 2014 , 27, 2147-2152	4
613	Structural and magnetic properties of small Ni _n Mn clusters. 2014 , 1062, 174-178	12

612	An ab initio study of transition metals doped with WSe ₂ for long-range room temperature ferromagnetism in two-dimensional transition metal dichalcogenide. 2014 , 26, 306004	32
611	Theoretical Investigations of Half-Metallicity in Cr-Substituted GaN, GaP, GaAs, GaSb Material Systems. 2014 , 43, 3169-3176	5
610	Three-dimensional location of a single dopant with atomic precision by aberration-corrected scanning transmission electron microscopy. 2014 , 14, 1903-8	80
609	Half metallic properties of the quaternary CuFe ₂ GaSe ₄ chalcogenide compound. 2014 , 85, 159-163	10
608	Half-metallic ferromagnetism in V-doped ZnTe semiconductor at reduced dopant concentration. 2014 , 28, 1450104	10
607	Local structure and magnetic properties of ferromagnetic GaMnAs made by helium ion induced epitaxial crystallization annealing. 2014 , 310, 210-213	0
606	Magnetic properties of Co-doped SnO ₂ at different carrier concentrations. 2014 , 125, 2157-2159	2
605	Towards a Mn/Co surface alloy: Scanning Tunneling Microscopy (STM) study of Co adsorption on Si(100) and its interaction with Mn wires. 2014 , 620, 1-8	3
604	Magnetic mechanism investigations on n-type ferromagnetic Li(Zn,Mn)As. 2014 , 177, 113-116	9
603	UV irradiations induce variations of ferromagnetism and resistivity in nitrogen doped ZnO films. 2014 , 378, 1965-1968	4
602	Electric-field effects on magnetic properties of molecular beam epitaxially grown thin (Ga,Mn)Sb layers. 2014 , 401, 633-635	3
601	Enhancement of optical Faraday effect of nonanuclear Tb(III) complexes. 2014 , 53, 7635-41	19
600	Hubbard U calculations for gap states in dilute magnetic semiconductors. 2014 , 26, 274202	1
599	d ₀ Ferromagnetism in oxygen-doped CuCl: First principles study. 2014 , 189, 68-71	11
598	Investigation of Mn incorporation in fifteen-period InGaAs/GaAs quantum well system. 2014 , 14, 1063-1066	2
597	Half-metallic ferromagnetism in Al _{1-x} Cr _x P and superlattices (AlP) _n /(CrP) _m by density functional calculations. 2014 , 65, 195-205	19
596	Anisotropic spin structure along the easy axis of magnetization in epitaxially grown MnAs/GaAs(100) thin films. 2014 , 115, 17C105	1
595	Ferromagnetic origin of Mn-doped Sr ₃ La ₂ O ₅ Zn ₂ As ₂ : Ab initio study. 2015 , 101, 798-801	

594	Ultrafast probes of nonequilibrium hole spin relaxation in the ferromagnetic semiconductor GaMnAs. 2015 , 91,	20
593	(Ga,Mn)As under pressure: A first-principles investigation. 2015 , 91,	15
592	Double-island Coulomb blockade in (Ga,Mn)As nanoconstrictions. 2015 , 91,	1
591	Atomic-scale detection of magnetic impurity interactions in bulk semiconductors. 2015 , 92,	4
590	Magnetic phase transition in Fe-doped topological insulator Bi ₂ Se ₃ . 2015 , 92,	21
589	High-field magnetic circular dichroism in ferromagnetic InMnSb and InMnAs: Spin-orbit-split hole bands and g factors. 2015 , 92,	7
588	Spin-dependent tunneling in semiconductor heterostructures with a magnetic layer. 2015 , 92,	8
587	Magnetic properties and intrinsic ferromagnetism in (Ga,Fe)Sb ferromagnetic semiconductors. 2015 , 92,	48
586	Band-gap narrowing in Mn-doped GaAs probed by room-temperature photoluminescence. 2015 , 92,	10
585	Spinodal nanodecomposition in semiconductors doped with transition metals. 2015 , 87, 1311-1377	123
584	Proposal of a general scheme to obtain room-temperature spin polarization in asymmetric antiferromagnetic semiconductors. 2015 , 92,	15
583	Electric-Field Modulation of Damping Constant in a Ferromagnetic Semiconductor (Ga,Mn)As. 2015 , 115, 057204	19
582	Adjacent Fe-Vacancy Interactions as the Origin of Room Temperature Ferromagnetism in (In(1-x)Fe(x)) ₂ O ₃ . 2015 , 115, 167401	29
581	Ba(Zn(1-2x)MnxCux) ₂ As ₂ : A Bulk Form Diluted Ferromagnetic Semiconductor with Mn and Cu Codoping at Zn Sites. 2015 , 5, 15507	18
580	Electronic structure and x-ray magnetic circular dichroism of Mn-doped TiO ₂ . 2015 , 41, 979-984	1
579	Perpendicular magnetic anisotropy in the Heusler alloy Co ₂ TiSi/GaAs(001) hybrid structure. 2015 , 5, 057130	4
578	Direct observation of doping incorporation pathways in self-catalytic GaMnAs nanowires. 2015 , 118, 054302	8
577	Anisotropic ferromagnetic behaviors in highly orientated epitaxial NiO-based thin films. 2015 , 5, 077107	5

576	Luminescent Silicon Nanoparticles Surface-Modified with Chiral Molecules. 2015 , 28, 255-260	2
575	Magnetization in AlIII BV semiconductor heterostructures with the depletion layer of manganese. 2015 , 41, 157-159	1
574	Influence of Gd Doping on the Structural and Optical Properties of ZnO. 2015 , 773-774, 672-676	2
573	Effect of Sm ³⁺ on the structural, optical, magnetic and electrical properties of electrochemical deposition of ZnSe thin films. 2015 , 2, 096102	8
572	High-temperature ferromagnetism in Fe-doped wurtzite and zincblende CdS nanoparticles. 2015 , 252, 1355-1362	2
571	Electronic and magnetic properties of Mn-doped monolayer WS ₂ . 2015 , 215-216, 1-4	8
570	Anisotropic magnetocapacitance in ferromagnetic-plate capacitors. 2015 , 91,	4
569	Dilute ferromagnetic semiconductors prepared by the combination of ion implantation with pulse laser melting. 2015 , 48, 263001	17
568	Resonant indirect exchange in 1D semiconductor nanostructures. 2015 , 383, 34-38	4
567	Structural, electrical and magnetic characterization of in-situ crystallized ZnO:Co thin films synthesized by reactive magnetron sputtering. 2015 , 161, 26-34	14
566	Magnetism, electron transport and effect of disorder in CoFeCrAl. 2015 , 48, 245002	38
565	Structural defects in pristine and Mn-doped monolayer WS ₂ : A first-principles study. 2015 , 85, 339-347	23
564	Europium Chalcogenide Nanoparticles. 2015 , 47, 101-146	1
563	Zn vacancy induced ferromagnetism in K doped ZnO. 2015 , 3, 11953-11958	34
562	Fermi surfaces and p-d hybridization in the diluted magnetic semiconductor Ba _{1-x} K _x (Zn _{1-y} Mn _y) ₂ As ₂ studied by soft x-ray angle-resolved photoemission spectroscopy. 2015 , 92,	23
561	Pulsed laser irradiation-induced microstructures in the Mn ion implanted Si. 2015 , 365, 110-113	2
560	Temperature dependence of lattice parameter of (Ga,Mn)As on GaAs substrate. 2015 , 54, 098003	2
559	Electrical transport mechanisms and structure of hydrogenated and non-hydrogenated nanocrystalline Ga _{1-x} Mn _x As films. 2015 , 630, 78-83	2

558	Room Temperature Ferromagnetism in Cu-Doped In ₂ O ₃ Thin Films. 2015 , 28, 2089-2095	7
557	Magnetic topological insulators and quantum anomalous hall effect. 2015 , 215-216, 34-53	68
556	First principles studies of GeTe based dilute magnetic semiconductors. 2015 , 27, 015501	14
555	Nanostructure formation during relatively high temperature growth of Mn-doped GaAs by molecular beam epitaxy. 2015 , 333, 92-95	3
554	First-principles calculation on dilute magnetic alloys in zinc blend crystal structure. 2015 , 385, 27-31	9
553	Quantum Dots of Diluted Magnetic Semiconductor Compounds. 2015 , 191-237	
552	Properties of room-temperature ferromagnetic semiconductor in manganese-doped bilayer graphene by chemical vapor deposition. 2015 , 3, 4235-4238	9
551	Photoemission and x-ray absorption studies of the isostructural to Fe-based superconductors diluted magnetic semiconductor Ba _{1-x} K _x (Zn _{1-y} Mn _y) ₂ As ₂ . 2015 , 91,	23
550	Structural, magnetic and optical properties of a dilute magnetic semiconductor based on Ce _{1-x} CoxO ₂ thin film grown on LaAlO ₃ . 2015 , 72, 154-159	69
549	Mn fraction substitutional site and defects induced magnetism in Mn-implanted 6H-SiC. 2015 , 632, 760-765	10
548	Chemical bath deposition of Fe-doped ZnS thin films: Investigations of their ferromagnetic and half-metallic properties. 2015 , 39, 283-291	46
547	DFT Investigations of Ti, V Doped ZnO Based Diluted Magnetic Semiconductors. 2015 , 1107, 502-507	
546	Pharmaceutical and biomedical applications of quantum dots. 2016 , 44, 758-68	36
545	First-principles study on the electronic structures and magnetic properties of a diluted magnetic semiconductor Ba _{1-x} K _x (Zn _{1-y} Mn _y) ₂ As ₂ . 2015 , 46, 102-106	7
544	Generating magnetic response and half-metallicity in GaP via dilute Ti-doping for spintronic applications. 2015 , 649, 184-189	15
543	Magnetic properties of two nearest Cu-doped monolayer WS ₂ : A first-principles study. 2015 , 217, 66-69	28
542	Si-Based Magnetic Semiconductors. 2015 , 1-33	
541	Interplay of dopants and defects in making Cu doped TiO ₂ nanoparticle a ferromagnetic semiconductor. 2015 , 646, 692-698	24

540	The structural, electronic and magnetic properties of Ga ₈ MnAs ₈ clusters. 2015 , 384, 155-159		0
539	A new diluted magnetic semiconductor based on the expanded phase of ZnS: surmounting the random distribution of magnetic impurities. 2015 , 17, 13117-22		6
538	Room temperature ferromagnetism in (In _{1-x} Nix) ₂ O ₃ thin films. 2015 , 466-467, 6-10		9
537	Signature of antiferromagnetism in entropy maximized charge density distribution of melt grown diluted magnetic semiconductor Ge _{1-x} V _x . 2015 , 26, 3772-3780		
536	Thickness dependence and magnetization behavior of Mn-doped GeTe phase change materials. 2015 , 26, 5202-5208		1
535	Electronic and magnetic properties of diluted ferromagnetic semiconductor (La _{1-x} Bax)(Zn _{1-y} Mny)AsO from first-principles calculations. 2015 , 88, 1		2
534	Electric Control of Magnetic Devices for Spintronic Computing. 2015 , 53-112		
533	Spintronics-based Computing. 2015 ,		43
532	Direct epitaxial integration of the ferromagnetic semiconductor EuO with silicon for spintronic applications. 2015 , 7, 6146-52		41
531	Nature of charge transport and p-electron ferromagnetism in nitrogen-doped ZrO ₂ : an ab initio perspective. 2015 , 5, 8586		12
530	Spin-wave resonance model of surface pinning in ferromagnetic semiconductor (Ga,Mn)As thin films. 2014 , 4, 6135		14
529	Variation of exchange energy in [(Ga,Mn)As] films under tensile strain: PBE and LDA+U calculations. 2015 , 5, 89139-89143		
528	Local structure study of GeMn recrystallization process by helium ion beam-induced epitaxial crystallization. 2015 , 354, 120-123		
527	Effect of structural defects on electronic and magnetic properties of pristine and Mn-doped MoS ₂ monolayer. 2015 , 220, 31-35		29
526	Room temperature ferromagnetism in conducting [(In _{1-x} Fex) ₂ O ₃] alloy films. <i>Applied Physics Letters</i> , 2015 , 106, 062405	3-4	10
525	Magneto-transport anisotropy in epitaxially grown hybrid MnAs/GaAs multilayer. 2015 , 117, 17B903		1
524	Spin-current diode with a ferromagnetic semiconductor. <i>Applied Physics Letters</i> , 2015 , 106, 182407	3-4	7
523	Quantum anomalous Hall effect and related topological electronic states. 2015 , 64, 227-282		251

522	Probe of the Band Structure of MBE Grown p-Type InMnAs at Ultrahigh Magnetic Fields. 2015 , 05, 1550002	4
521	. 2015 , 51, 1-11	130
520	X-rays and magnetism. 2015 , 78, 094501	41
519	Structural, optical and magnetic properties of Cr doped In ₂ O ₃ powders and thin films. 2015 , 26, 8635-8643	10
518	Ferromagnetism of Twenty-Period InGaMnAs/InGaAs Quantum Wells with Superlattice Structure. 2015 , 28, 3049-3052	1
517	Impurity distribution and ferromagnetism in Mn-doped GaAs nanowires: A first-principle study. 2015 , 379, 2745-2749	18
516	Adverse effect of Mn doping on the magnetic ordering in Mn doped TiO ₂ nanoparticles. 2015 , 2, 096104	10
515	Effects of incident UV light on the surface morphology of MBE grown GaAs. 2015 , 413, 76-80	6
514	Luminescent lanthanide coordination polymers for photonic applications. 2015 , 5, 338-353	160
513	The half-metallic ferromagnetism character in Be _{1-x} Y (Y=Se and Te) alloys: An ab-initio study. 2015 , 379, 63-73	28
512	New diluted magnetic semiconductor (BaK)(ZnMn) ₂ As ₂ : Electronic structure and magnetic properties. 2015 , 98, 93-98	6
511	Magnetic Semiconductors. 2015 , 649-682	
510	Ferromagnetism in Disordered Magnetic Semiconductors. 2015 , 28, 751-756	
509	Gadolinium-doped III-nitride diluted magnetic semiconductors for spintronics applications. 2016 , 371-394	1
508	Transition metal and rare earth doping in GaN. 2016 , 315-370	5
507	Electronic structure of magnetic impurities and defects in semiconductors. 2016 , 43-101	3
506	Prospects for rare-earth-based dilute magnetic semiconductor alloys and hybrid magnetic rare-earth/semiconductor heterostructures. 2016 , 129-167	4
505	Ferromagnetic behavior in transition metal-doped III-N semiconductors. 2016 , 395-433	2

504	Free-Standing GaMnAs Nanomachined Sheets for van der Pauw Magnetotransport Measurements. 2016 , 7,		2
503	The synthesis and characterization of 1 1 1 1 type diluted ferromagnetic semiconductor (La(1-x)Ca(x))(Zn(1-x) Mn(x))AsO. 2016 , 28, 026003		5
502	Spin-Dependent Phenomena in Semiconductors and Semiconductor/Ferromagnetic Heterostructures. 2016 , 47, 657-669		
501	Magnetic mechanism investigations on the ferromagnetism of (Sr,Na)(Zn,Mn)As with decoupled charge and spin doping. 2016 , 253, 267-272		
500	The enhancement of ferromagnetism in Ta-doped anatase TiO ₂ system by iron co-doping. 2016 , 776, 012018		5
499	(Sr _{1-x} Na _x)(Cd _{1-x} Mn _x) ₂ As ₂ : A new charge and spin doping decoupled diluted magnetic semiconductors with CaAl ₂ Si ₂ -type structure. 2016 , 120, 083902		15
498	Li(Zn,Co,Mn)As: A bulk form diluted magnetic semiconductor with Co and Mn co-doping at Zn sites. 2016 , 6, 115014		11
497	Spin injection, spin detection, and resonant spin transmission through single and double ferromagnetic/nonmagnetic Esaki barriers. 2016 ,		1
496	BR investigation of a new diluted magnetic semiconductor Li(Zn,Mn,Cu)As with Mn and Cu codoping at the same Zn sites. 2016 , 28, 366001		5
495	Charge transfer features and ferromagnetic order in semiconductor heterostructures E-doped with manganese. 2016 , 58, 2240-2243		1
494	La(Zn 1-x Mn x Cu x)AsO: A 1111-type diluted magnetic semiconductor with manganese and copper codoping at Zn sites. 2016 , 114, 57008		5
493	Sudden restoration of the band ordering associated with the ferromagnetic phase transition in a semiconductor. 2016 , 7, 12013		14
492	High-temperature ferromagnetism in heavily Fe-doped ferromagnetic semiconductor (Ga,Fe)Sb. <i>Applied Physics Letters</i> , 2016 , 108, 192401	3-4	74
491	A low-temperature study of manganese-induced ferromagnetism and valence band convergence in tin telluride. <i>Applied Physics Letters</i> , 2016 , 108, 182101	3-4	11
490	New Fluoride-arsenide Diluted Magnetic Semiconductor (Ba,K)F(Zn,Mn)As with Independent Spin and Charge Doping. 2016 , 6, 36578		14
489	Electronic structure and magnetism of Mn-doped GaSb for spintronic applications: A DFT study. 2016 , 120, 051704		25
488	Structural and magnetic characterization of Sm-doped GaN grown by plasma-assisted molecular beam epitaxy. 2016 , 55, 05FE03		1
487	Critical metal-insulator transition due to nuclear quantum effects in Mn-doped GaAs. 2016 , 94,		6

486	Synthetic hybrid Co ₂ FeGe/Ge(Mn) superlattice for spintronics applications. <i>Applied Physics Letters</i> , 2016 , 109, 172401	3-4
485	Robust ferromagnetism of single crystalline Co _x Zn _{1-x} O (0.3 ≤ x ≤ 0.45) epitaxial films with high Co concentration. <i>Applied Physics Letters</i> , 2016 , 109, 052404	3-4 3
484	Anomalous temperature dependence of magnetic properties in Mn-doped ZnSnAs ₂ epitaxial thin films. 2016 ,	
483	Optical characteristics of p-type GaAs-based semiconductors towards applications in photoemission infrared detectors. 2016 , 119, 105304	6
482	Controllable electronic and magnetic properties in a two-dimensional germanene heterostructure. 2016 , 18, 12169-74	10
481	Mn ₂ C monolayer: a 2D antiferromagnetic metal with high Néel temperature and large spin-orbit coupling. 2016 , 8, 12939-45	94
480	Electronic and magnetic properties of X-doped (X=Ni, Pd, Pt) WS ₂ monolayer. 2016 , 414, 45-48	21
479	Indium oxide: A transparent, conducting ferromagnetic semiconductor for spintronic applications. 2016 , 416, 66-74	30
478	The Electronic Structures and Magnetic Properties of Un-doped In ₂ O ₃ : the First-Principle Calculation. 2016 , 29, 1533-1537	3
477	First-principles design of spintronics materials. 2016 , 3, 365-381	191
476	Critical analysis of the vacancy induced magnetism in Scandium Nitride (ScN): An ab-initio study. 2016 , 413, 19-24	5
475	Magnetic two-dimensional systems. 2016 , 20, 388-395	9
474	Microstructure investigation, optical properties and magnetic phase transition of Tm ³⁺ substituted nanocrystalline ZnO (Zn _{0.95} Tm _{0.05} O). 2016 , 6, 101818-101826	12
473	Emergence of half-metallic ferromagnetism in Ga _{1-x} Cr _x As. 2016 , 122, 1	
472	First-principles study of locally disordered structures of Mn-induced GaAs(001)-(2 × 2) surface. 2016 , 55, 08NB21	
471	Half-metallic and magnetic properties of AlN nanosheets doped with nonmagnetic metals: A first-principles study. 2016 , 124, 98-105	9
470	Magnetocrystalline anisotropy of pure magnetic semiconductors of MnGeP ₂ and MnGeAs ₂ : A first-principles study. 2016 , 419, 202-209	4
469	Electronic structure and magnetic properties of Zn _{1-x} TM _x Te (TM = Fe, Co, Ni) for 0 ≤ x ≤ 1 alloys. 2016 , 30, 1650160	3

- 468 First-principles study on the electronic and magnetic properties of the $Zn_{0.75}Mo_{0.25}M$ ($M = S, Se, Te$). **2016**, 30, 1650249 5
- 467 Measuring the magnetic-field-dependent chemical potential of a low-density three-dimensional electron gas in n-GaAs and extracting its magnetic susceptibility. **2016**, 93, 6
- 466 Three-dimensional Heisenberg critical behavior in the highly disordered dilute ferromagnetic semiconductor (Ga,Mn)As. **2016**, 93, 9
- 465 Pressure effect on the magnetism of the diluted magnetic semiconductor $(Ba_{1-x}K_x)(Zn_{1-y}Mny)_2As_2$ with independent spin and charge doping. **2016**, 93, 24
- 464 Nonmagnetic 2 p -block elements (B, C, N, and O)-doped AgCl for potential halide spintronic applications: A first-principles perspective. **2016**, 380, 2968-2973 5
- 463 Study of half-metallic ferromagnetism and elastic properties of $Cd_{1-x}Cr_xZ$ ($Z=S, Se$). **2016**, 122, 1 4
- 462 Structural, electronic and optical properties of the $Zn_{0.5}V_{0.5}$ in three phases. **2016**, 30, 1650356
- 461 Assembling non-ferromagnetic materials to ferromagnetic architectures using metal-semiconductor interfaces. **2016**, 6, 34404 7
- 460 Fermi level position, Coulomb gap, and Dresselhaus splitting in (Ga,Mn)As. **2016**, 6, 27266 18
- 459 Anomalous Hall effect in Cr doped FeSi. **2016**,
- 458 Bibliography. **2016**, 341-350
- 457 Electronic structures and magnetic properties of a II-II-V based diluted magnetic semiconductor $Ba_{1-x}K_x(Cd_{1-y}Mny)_2As_2$ with decoupled charge and spin doping. **2016**, 3, 105903 1
- 456 Thermally activated decomposition of (Ga,Mn)As thin layer at medium temperature post growth annealing. **2016**, 712, 012114 1
- 455 Electronic structure and correlations of vitamin B12 studied within the Haldane-Anderson impurity model. **2016**, 89, 1 2
- 454 Hyperfine interactions in dilute Se doped Fe_xSb_{1-x} bulk alloy. **2016**, 237, 1 1
- 453 Zeeman Splitting of Ferromagnetic GaMnAs on InP Observed by Magnetic Circular Dichroism in Reflection Mode. **2016**, 45, 4491-4495
- 452 Role of nitrogen vacancies in cerium doped aluminum nitride. **2016**, 412, 49-54 12
- 451 Strain and optical characteristics study of ferromagnetic GaMnAs fabricated by ion beam induced epitaxial crystallization. **2016**, 306, 92-96

450	Ab-initio study of half-metallic ferromagnetism in Co/Ni substituted Li ₂ X (X=S, Se, Te) compounds. 2016 , 418, 148-157	1
449	Epitaxial Growth of Room-Temperature Ferromagnetic MnAs Segments on GaAs Nanowires via Sequential Crystallization. 2016 , 16, 900-5	16
448	Structural Parameters and Spin Filtering Properties of Ga _{1-x} (M) x P compound. 2016 , 29, 959-964	2
447	Ferromagnetic Mn-Implanted GaP: Microstructures vs Magnetic Properties. 2016 , 8, 3912-8	12
446	Electronic and magnetic properties of n-type and p-doped MoS ₂ monolayers. 2016 , 6, 16772-16778	40
445	Magnetization process of the n-type ferromagnetic semiconductor (In,Fe)As:Be studied by x-ray magnetic circular dichroism. 2016 , 93,	11
444	Ab initio predictions of the stability and structural properties of zincblende (III, TM)V magnetic semiconductor alloys. 2016 , 405, 274-281	3
443	Magnetic mechanism investigations on K and Mn co-doped diluted magnetic semiconductor (Sr,K)(Zn,Mn) ₂ As ₂ . 2016 , 407, 334-340	9
442	Magnetic and dielectric properties of (Co, Zn) co-doped SnO ₂ diluted magnetic semiconducting nanoparticles. 2016 , 27, 5960-5966	22
441	Mn-Induced Surface Reconstructions on GaAs(001). 2016 , 120, 6050-6062	2
440	Room temperature ferromagnetism in Cu ²⁺ doped TiO ₂ nanocrystals: The impact of their size, shape and dopant concentration. 2016 , 76, 100-106	7
439	(Ba _{1-x})(Cu ₂ Mn) ₂ Se ₂ : A copper-based bulk form diluted magnetic semiconductor with orthorhombic BaCu ₂ S ₂ -type structure. 2016 , 400, 295-299	4
438	Electronic structures, magnetic properties, half-metallicity and optical properties of the zincblende Zn _{1-x} Mo _x S. 2016 , 401, 746-750	4
437	TMR and Al-O Based Magnetic Tunneling Junctions. 2016 , 179-225	2
436	Electronic and magnetic properties of X-doped (X = Ti, Zr, Hf) tungsten disulphide monolayer. 2016 , 654, 574-579	36
435	Magnetic anisotropy of quaternary GaMnAsP ferromagnetic semiconductor. 2017 , 7, 055809	9
434	Probing the Role of Dopant Oxidation State in the Magnetism of Diluted Magnetic Oxides Using Fe-Doped In ₂ O ₃ and SnO ₂ Nanocrystals. 2017 , 121, 1918-1927	31
433	Investigations on Magnetic Properties of Cr-Doped LiZnAs by First-Principle Calculations. 2017 , 30, 1545-1549	3

432	Investigation of structure and magnetic characteristics of Ni-implanted AlGa _N films. 2017 , 49, 1	1
431	Influence of nonmagnetic impurity scattering on spin dynamics in diluted magnetic semiconductors. 2017 , 95,	11
430	First-principles prediction of magnetic salts: Case study of NaCl bulk and (0 0 1) surface doped with light non-metallic 2 p -block elements. 2017 , 132, 10-18	2
429	A density functional theory study of the influence of exchange-correlation functionals on the properties of FeAs. 2017 , 29, 215604	4
428	Prospects of spintronics based on 2D materials. 2017 , 7, e1313	105
427	First-Principle Study of Electronic and Half-Metallic Ferromagnetic Properties of Vanadium (V)-Doped Cubic BP and InP. 2017 , 30, 2855-2864	4
426	Investigation of Room-Temperature Ferromagnetism on Pristine and Non-ferromagnetic Dopant-Substituted SnO ₂ Nanoparticles. 2017 , 30, 3199-3206	2
425	Magneto-Optical (MO) Characterization Tools for Chemically Prepared Magnetic Nanomaterials. 2017 , 457-509	
424	Pressure-induced electronic, magnetic, half-metallic, and mechanical properties of half-Heusler compound CoCrBi. 2017 , 438, 5-11	13
423	Ferromagnetism and the Optical Properties of Mn-Doped CdSe with the Wurtzite Structure. 2017 , 30, 3109-3115	3
422	Effective n-type F-doped MoSe ₂ monolayers. 2017 , 7, 26673-26679	20
421	Antiferromagnetic-ferromagnetic phase transition in (Zn,Sn,Mn)As ₂ epitaxial thin films. <i>Applied Physics Letters</i> , 2017 , 110, 132410	3-4 3
420	Spin-dependent transport in GaAs nanowire-based devices. 2017 , 441, 678-682	1
419	Ab initio study of (Fe, Ni) doped GaAs: Magnetic, electronic properties and Faraday rotation. 2017 , 106, 163-169	2
418	Origin of robust nanoscale ferromagnetism in Fe-doped Ge revealed by angle-resolved photoemission spectroscopy and first-principles calculation. 2017 , 95,	8
417	Hole doping and pressure effects on the II-II-V-based diluted magnetic semiconductor (Ba _{1-x} K _x)(Zn _{1-y} Mn _y) ₂ As ₂ . 2017 , 95,	19
416	Spin-dependent tunneling recombination in heterostructures with a magnetic layer. 2017 , 51, 43-48	2
415	Manganese and chromium doping in atomically thin MoS ₂ . 2017 , 38, 033004	19

414	Magnetic properties of vanadium doped CdTe: Ab initio calculations. 2017 , 428, 368-371	25
413	Microstructure and Magnetic Properties of Sn _{1-x} Ni _x O ₂ Thin Films Prepared by Flash Evaporation Technique. 2017 , 30, 981-987	5
412	Characterization of the cleaved edge cross section of the heterostructures with GaMnAs layer by the confocal micro-Raman spectroscopy. 2017 , 93, 38-42	4
411	The structural, magnetic and electronic properties of p-type and n-type doped monolayer WS ₂ systems. 2017 , 112, 619-627	8
410	Annealing effect on ferromagnetic properties, hole concentration and electronic band structure of GaMnAs epitaxial layers. 2017 , 28, 17622-17626	1
409	Fe implantation effect in the 6H-SiC semiconductor investigated by Mössbauer spectrometry. 2017 , 122, 083905	9
408	Room temperature ferromagnetic and semiconducting properties of graphene adsorbed with cobalt oxide using electrochemical method. 2017 , 444, 361-363	
407	Electronic structure of Ba (Zn _{0.875} Mn _{0.125}) ₂ As ₂ . <i>Applied Physics Letters</i> , 2017 , 111, 062106	3-4 3
406	Diluted magnetic characteristics of Ni-doped AlN films via ion implantation. 2017 , 10, 363-369	5
405	First-principles calculations on the origin of ferromagnetism in transition-metal doped Ge. 2017 , 96,	8
404	A new route to enhance the ferromagnetic transition temperature in diluted magnetic semiconductors. 2017 , 7, 9603	2
403	Field-free manipulation of magnetization alignments in a Fe/GaAs/GaMnAs multilayer by spin-orbit-induced magnetic fields. 2017 , 7, 10162	6
402	Mechanical and magneto-opto-electronic investigation of transition metal based fluoro-perovskites: An ab-initio DFT study. 2017 , 264, 39-48	5
401	Quantum confinement: A route to enhance the Curie temperature of Mn doped GaAs. 2017 , 96,	1
400	Anisotropy of magnetic interactions and spin filter behavior in hexagonal (Ga,Mn)As nanoribbons. 2017 , 93, 291-294	1
399	Out-of-plane easy-axis in thin films of diluted magnetic semiconductor Ba _{1-x} K _x (Zn _{1-y} Mn _y) ₂ As ₂ . 2017 , 7, 045017	11
398	Effects of cationic growth conditions of molecular beam epitaxy on ferromagnetic properties of Mn-doped ZnSnAs ₂ thin films. 2017 , 56, 063001	2
397	Surface magnetism of gallium arsenide nanofilms. 2017 , 96,	

396	First-principle study on the electronic structure and optical property of new diluted magnetic semiconductor (Y _{0.75} Sr _{0.25}) (Cu _{0.75} Mn _{0.25})SO. 2017 , 7, 115021	1
395	A two-dimensional Fe-doped SnS magnetic semiconductor. 2017 , 8, 1958	214
394	Structure and magnetic properties of CuIn _{1-x} TxTe ₂ (T=Co,Mn). 2017 , 7, 085108	3
393	Confinement effect on hole polarization in (Ga,Mn)As/AlAs diluted magnetic semiconductor multiple quantum wells. 2017 , 59, 2262-2267	1
392	Synchrotron X-Ray Diffraction Studies on the New Generation Ferromagnetic Semiconductor Li(Zn,Mn)As under High Pressure. 2017 , 34, 067501	6
391	Study of structural, optical and magnetic properties of cobalt doped ZnO nanorods. 2017 , 7, 50527-50536	95
390	Magnetic properties of (Ga,Mn)As (110) epitaxial films. 2017 , 118, 17003	1
389	Inverse spin Hall effect in the semiconductor (Ga,Mn)As at room temperature. 2017 , 95,	11
388	The composition dependence of magnetic, electronic and optical properties of Mn-doped SixGe _{1-x} nanowires. 2017 , 32, 075005	2
387	Quantum kinetic equations for the ultrafast spin dynamics of excitons in diluted magnetic semiconductor quantum wells after optical excitation. 2017 , 95,	9
386	Effect of annealing temperature on the dielectric and magnetic response of (Co, Zn) co-doped SnO ₂ nanoparticles. 2017 , 28, 2673-2679	8
385	Ferromagnetic Properties of Five-Period InGaMnAs/GaAs Quantum Well Structure. 2017 , 46, 3917-3921	1
384	Understanding ferromagnetism in C-doped CdS: Monte Carlo simulation. 2017 , 695, 1624-1630	9
383	Uniform annealing effect of electron irradiation on ferromagnetic GaMnAs thin films. 2017 , 422, 124-127	3
382	First-Principles Study on the Half-Metallic Ferromagnetism and Optical Properties of Fe-Doped CdSe and Co-Doped CdSe. 2017 , 30, 521-528	16
381	La(Zn _{1-x} Mn _x Cu _x)SbO: A new diluted magnetic semiconductor isostructural to 1111-type iron pnictide superconductors. 2017 , 120, 47005	4
380	Effects of Mn dopant locations on the electronic bandgap of PbS quantum dots. <i>Applied Physics Letters</i> , 2017 , 111, 233101	3-4 5
379	Laser-Induced Ultrafast Magnetic Phenomena. 2017 , 26, 291-463	6

378	Synthesis and Characterization of Borides, Carbides, and Nitrides and Their Applications. 2017 , 337-375		6
377	Development and Prospect of Materials for Spintronics. 2017 , 56, 190-194		
376	Enhanced optical absorption in visible range in Mn doped AlP: A density functional theory study. 2018 , 457, 13-16		4
375	Asperomagnetic order in diluted magnetic semiconductor (Ba,Na)(Zn,Mn) ₂ As ₂ . <i>Applied Physics Letters</i> , 2018 , 112, 032402	3-4	9
374	First-principles study of ZnSnAs ₂ -based dilute magnetic semiconductors. 2018 , 57, 020306		11
373	Bound magnetic polaron in Zn-rich cobalt-doped ZnSe nanowires. 2018 , 29, 055707		14
372	Investigations on magnetic properties of Cr-doped LiZnP by first principle calculations. 2018 , 735, 355-358		5
371	Electronic structure of the dilute magnetic semiconductor Ga _{1-x} MnxP from hard x-ray photoelectron spectroscopy and angle-resolved photoemission. 2018 , 97,		10
370	Spatial variation of dynamic nuclear spin polarization probed by the non-local Hanle effect. <i>Applied Physics Letters</i> , 2018 , 112, 132403	3-4	1
369	Electrical control of ferromagnetism in the n-type ferromagnetic semiconductor (In,Fe)Sb with high Curie temperature. <i>Applied Physics Letters</i> , 2018 , 112, 122409	3-4	27
368	Half metallic ferromagnetism in gallium and zinc doped chromium phosphide: First principles calculations. 2018 , 203, 65-72		10
367	Magneto-optical spectroscopy of diluted magnetic semiconductors GaMnAs prepared by ion implantation and further impulse laser annealing. 2018 , 459, 141-146		2
366	A Two-Dimensional Manganese Gallium Nitride Surface Structure Showing Ferromagnetism at Room Temperature. 2018 , 18, 158-166		6
365	Orthorhombic Ti ₂ O ₃ : A Polymorph-Dependent Narrow-Bandgap Ferromagnetic Oxide. 2018 , 28, 1705657		21
364	Ligand-field helical luminescence in a 2D ferromagnetic insulator. 2018 , 14, 277-281		192
363	RETRACTED: Magneto transport measurements to unravel the epitaxial strain control of magnetic anisotropy in Ga _{1-x} MnxAs/InGaAs layers. 2018 , 451, 167-172		
362	Room-temperature ferromagnetism in alkaline-earth-metal doped AlP: First-principle calculations. 2018 , 142, 338-345		3
361	Unordinary Ferromagnetic Phase Transitions in Mn- and Fe-doped Half-Heusler CoTiSb. 2018 , 31, 437-447		

- 360 Effects of Magnetic Ordering in Conductivity and Magnetization of GaAs-Based Semiconductor Heterostructures upon Changing the Concentration of the Delta-Layer of Manganese Admixture. **2018**, 60, 2402-2407
- 359 Gripping Force Measurement of a Bioinspired Wall-Climbing Robot With Spiny Toe Pads. **2018**, 0
- 358 The Magnetic Properties of 1111-type Diluted Magnetic Semiconductor (La_{1-x}Ba_x)(Zn_{1-x}Mn_x)AsO in the Low Doping Regime. **2018**, 3, 42
- 357 Magnetism in semiconducting molybdenum dichalcogenides. **2018**, 4, eaat3672 56
- 356 First principles study on ferromagnetism of diluted magnetic semiconductor Li(Zn, Mn)N. **2018**, 124, 203901 2
- 355 Advances in thermoelectrics. **2018**, 67, 69-147 225
- 354 Current-driven magnetization switching in ferromagnetic bulk Rashba semiconductor (Ge,Mn)Te. **2018**, 4, eaat9989 14
- 353 Pressure tuning of the thermal conductivity of gallium arsenide from first-principles calculations. **2018**, 20, 30331-30339 9
- 352 Many-body correlations brought to light in absorption spectra of diluted magnetic semiconductors. **2018**, 98, 4
- 351 Ultrafast Modulation of Magnetization Dynamics in Ferromagnetic (Ga, Mn)As Thin Films. **2018**, 8, 1880 1
- 350 Recent advances in Dirac spin-gapless semiconductors. **2018**, 5, 041103 59
- 349 CrGaSe: A Quasi-Two-Dimensional Magnetic Semiconductor. **2018**, 57, 14298-14303 2
- 348 First-principles prediction of the control of magnetic properties in Fe-doped GaSb and InSb. **2018**, 124, 103902 13
- 347 Chromium sulfide halide monolayers: intrinsic ferromagnetic semiconductors with large spin polarization and high carrier mobility. **2018**, 10, 18036-18042 58
- 346 High-temperature ferromagnetism in new n-type Fe-doped ferromagnetic semiconductor (In,Fe)Sb. **2018**, 11, 063005 26
- 345 Anisotropic super-paramagnetism in cobalt implanted rutile-TiO₂ single crystals. **2018**, 465, 122-127 4
- 344 Super Atomic Clusters: Design Rules and Potential for Building Blocks of Materials. **2018**, 118, 5755-5870 265
- 343 Preparation of Fe doped ZnO thin films and their structural, magnetic, electrical characterization. **2018**, 120, 199-208 13

342	Phase Separation in GaMnAs Layers Grown by Laser Pulsed Deposition. 2018 , 60, 943-949		4
341	Electronic structure and magnetic studies of V-doped ZnO: ab initio and experimental investigations. 2018 , 41, 1		5
340	Magnetic interactions in a proposed diluted magnetic semiconductor $(\text{Ba}_{1-x}\text{K}_x)(\text{Zn}_{1-y}\text{Mn}_y)_2$. 2018 , 27, 067103		4
339	Synthesis, structural, optical and magnetic properties in the sprayed ZnO: Fe ³⁺ : explanations of the origin of the tuned ferromagnetism and optical parameters by first principle. 2018 , 5, 076408		3
338	Hydrogen atom induced magnetic behaviors in two-dimensional materials: insight on origination in the model of HMoO . 2018 , 10, 14100-14106		3
337	The electronic structures and absorption spectra of Mn-doped GaAs nanowires in the magnetic field. 2018 , 120, 771-780		1
336	Prospects for Application of Gallium Arsenide Doped with Transition Metals as a Material for Spintronics. 2018 , 117-144		
335	Energy Structure of an Individual Mn Acceptor in GaAs : Mn. 2018 , 60, 1568-1577		
334	Future Applications of Artificially-Synthesized Organic Molecules Containing Transition-Metal Atoms. 2018 , 386-391		
333	Tunable electronic and magnetic properties of transition metals doped antimonene: a first-principles study. 2018 , 5, 065059		16
332	High efficiency gallium phosphide solar cells using TC-doped absorber layer. 2018 , 104, 116-123		2
331	A primary exploration to quasi-two-dimensional rare-earth ferromagnetic particles: holmium-doped MoS ₂ sheet as room-temperature magnetic semiconductor. 2018 , 20, 1		1
330	Room temperature ferromagnetism in transition metal-doped black phosphorous. <i>Applied Physics Letters</i> , 2018 , 112, 192105	3-4	9
329	Planar Nernst effect and Mott relation in (In,Fe)Sb ferromagnetic semiconductor. 2018 , 123, 175102		2
328	Galvanomagnetic methods of Curie temperature determination in (Ga,Mn)As. 2018 , 467, 120-128		1
327	Element- and momentum-resolved electronic structure of the dilute magnetic semiconductor manganese doped gallium arsenide. 2018 , 9, 3306		13
326	Interplay between spin-orbit coupling and ferromagnetism in magnetotransport properties of a spin-polarized oxide two-dimensional electron system. 2018 , 98,		5
325	Investigation of half-metallic ferromagnetism in Ti-doped BeS DMS compound: A promising spintronic material. 2018 ,		0

324	Design and exploration of semiconductors from first principles: A review of recent advances. 2018 , 11, 060101	70
323	Investigations on ferromagnetism of Li and Mn codoped LiZnN by first-principles calculations. 2019 , 102, 303-309	1
322	Hybrid spintronic materials: Growth, structure and properties. 2019 , 99, 27-105	30
321	Electronic structure of the high-TC ferromagnetic semiconductor (Ga,Fe)Sb: X-ray magnetic circular dichroism and resonance photoemission spectroscopy studies. 2019 , 100,	9
320	Data driven modeling of magnetism in dilute magnetic semiconductors: correlation between the magnetic features of diluted magnetic semiconductors and electronic properties of the constituent atoms. 2019 , 31, 445901	3
319	Peeling off Nanometer-Thick Ferromagnetic Layers and Their van der Waals Heterostructures. 2019 , 5, 1900345	1
318	Magnetization dynamics and related phenomena in semiconductors with ferromagnetism. 2019 , 40, 081502	
317	Advances in new generation diluted magnetic semiconductors with independent spin and charge doping. 2019 , 40, 081505	4
316	Progress on microscopic properties of diluted magnetic semiconductors by NMR and BR. 2019 , 40, 081506	6
315	Two-Dimensional Ferroics and Multiferroics: Platforms for New Physics and Applications. 2019 , 10, 6634-6649	57
314	Heavily Fe-doped ferromagnetic semiconductor (In,Fe)Sb with high Curie temperature and large magnetic anisotropy. 2019 , 12, 103004	9
313	The Impurity Magnetic Susceptibility of Semiconductors in the Case of Direct Exchange Interaction in the Ising Model. 2019 , 61, 2005-2009	3
312	Spintronics of semiconductor, metallic, dielectric, and hybrid structures (100th anniversary of the Ioffe Institute). 2019 , 62, 795-822	6
311	Strong edge-induced ferromagnetism in sputtered MoS ₂ film treated by post-annealing. <i>Applied Physics Letters</i> , 2019 , 115, 192404	3-4 5
310	Chemical trend in the electronic structure of Fe-doped III-V semiconductors and possible origin of ferromagnetism: A first-principles study. 2019 , 126, 173910	4
309	First-principles theoretical study on carrier doping effects induced by Zn vacancies in Mn-doped in ZnSnAs ₂ . 2019 , 58, 110601	0
308	The structure and property characteristics of Mn-doped SiGe alloy nanowires prepared by catalyst-free growth. 2019 , 575, 411696	0
307	The predicaments and expectations in development of magnetic semiconductors. 2019 , 40, 081501	1

306	Amorphous magnetic semiconductors with Curie temperatures above room temperature. 2019 , 40, 081510	5
305	The effect of substitution of Cr impurities at the In sites on the structural, electronic and magnetic properties of InSb: a DFT study within mBJ potential. 2019 , 125, 1	5
304	Prediction of half metallicity in Ti-doped BeSe: A spintronics material. 2019 ,	1
303	Enhanced Magnetic Properties of InMn-Codoped Plasmonic ZnO Nanoflowers: Evidence of Delocalized Charge Carrier-Mediated Ferromagnetic Coupling. 2019 , 31, 8191-8204	3
302	Room Temperature Ferromagnetism in Fe Doped CdS and Cobalt Doped CdS Nano Particles. 2019 , 8, 362-370	4
301	Ferromagnetic (In,Ga,Mn)As films prepared by ion implantation and pulsed laser melting. 2019 , 442, 31-35	
300	Magnetic Properties of Carbon Co-Doped (Zn,Mn)O Using LDA and LDA-SIC Approximations. 2019 , 32, 2275-2281	2
299	Theoretical prediction of maximum Curie temperatures of Fe-based dilute magnetic semiconductors by first-principles calculations. 2019 , 12, 063006	7
298	Initial stages of the epitaxial growth of MnN on the GaAs (001)-(2 × 2) surface: First-principle study. 2019 , 489, 639-647	7
297	Origin of High-TC Ferromagnetism in Isovalent-Doped III-V Semiconductors. 2019 , 11,	8
296	Magnetic phase composition of ZnO film heavily implanted with Fe ions. 2019 , 489, 220-225	2
295	Site occupancy, valence state, and spin state of Co ions in Co-doped In ₂ O ₃ diluted magnetic semiconductor. 2019 , 489, 165358	6
294	The new nitrides: layered, ferroelectric, magnetic, metallic and superconducting nitrides to boost the GaN photonics and electronics eco-system. 2019 , 58, SC0801	43
293	Magnetic Properties of the Dilute Magnetic Semiconductor Zn _{1-x} CoxO Nanoparticles. 2019 , 32, 3637-3645	3
292	Adsorption and dissociation of iron phthalocyanine on H/Si(111): Impact of van der Waals interactions and perspectives for subsurface doping. 2019 , 99,	4
291	Engineering Magnetic Transitions in Fe _{1-x} Sn _x Bi ₂ Se ₄ n-Type Ferromagnetic Semiconductors through Chemical Manipulation of Spatial Separation between Magnetic Centers. 2019 , 31, 3507-3518	2
290	A spin density functional calculations in electronic structures and magnetic properties of transition metal doped GaP. 2019 , 523, 57-62	2
289	Capacitively coupled plasma-stimulated room-temperature Mg and Mn doping and electrical activation in GaAs. 2019 , 125, 1	0

288	Evidence for Spin-Triplet Electron Pairing in the Proximity-Induced Superconducting State of an Fe-Doped InAs Semiconductor. 2019 , 122, 107001	6
287	Characterization of nanostructure in low dose Fe-implanted p-type 6H-SiC using atom probe tomography. 2019 , 481, 189-193	1
286	Ba(Zn,Co)2As2: A diluted ferromagnetic semiconductor with n-type carriers and isostructural to 122 iron-based superconductors. 2019 , 99,	12
285	Ferromagnetism in fluoride-antimonide SrF(Zn _{1-2x} Mn _x Cu _x)Sb with a quasi two dimensional structure. 2019 , 483, 95-99	4
284	Magneto-optical spectra and the presence of an impurity band in p-type ferromagnetic semiconductor (Ga,Fe)Sb with high Curie temperature. 2019 , 7, 021105	7
283	Spatial distribution of substitutional Mn-As clusters in ferromagnetic (Zn,Sn,Mn)As ₂ thin films revealed by image reconstruction of atom probe tomography data. 2019 , 125, 073902	1
282	III _{IV} -Based Magnetic Semiconductors and Spintronics Devices. 2019 , 280-298	
281	EXAFS study on local structure of GaMnAs thin film made by Mn ion implantation following with ion beam induced epitaxial crystallization. 2019 , 450, 361-363	
280	Ferromagnet/Semiconductor Heterostructures and Nanostructures Grown by Molecular Beam Epitaxy. 2019 , 229-347	1
279	DFT study of itinerant ferromagnetism in p-doped monolayers of MoS ₂ . 2019 , 100,	5
278	Enhanced Photoelectric SrOCuSbS of a [SrO]-Intercalated CuSbS Structure. 2019 , 58, 69-72	6
277	Magnetic properties of GaAs:Mn self-assembled nanostructures grown at relatively high-temperature by Molecular Beam Epitaxy. 2019 , 475, 715-720	0
276	III-V and Group-IV-Based Ferromagnetic Semiconductors for Spintronics. 2019 , 141-170	
275	Prediction of a Dynamically Stable New Half-Metallic Phase for the BaN and BaC Compounds. 2019 , 32, 2031-2044	2
274	SpinOrbit-Induced Effective Magnetic Field in GaMnAs Ferromagnetic Semiconductor. 2019 , 55, 1-6	2
273	Interaction of Ge with single layer GaAs: From Ge-island nucleation to formation of novel stable monolayers. 2020 , 505, 144218	1
272	Gigahertz coherent longitudinal acoustic phonons in GaAs Single crystals with different orientations. 2020 , 461, 125257	1
271	Study of Vanadium Difluoride AVF ₃ (A = Na, K, Rb) for Optoelectronic and Thermoelectric Device Applications via Ab Initio Calculations. 2020 , 33, 1167-1175	0

270	Room temperature ferromagnetic half metal in Mn doped cluster-assembled sodalite phase of III-N compounds. 2020 , 499, 166295	2
269	Occurrence of Ferromagnetic Behavior in ZrO ₂ by Ni Substitution Beyond $x = 0.01$. 2020 , 33, 1463-1471	1
268	Strain-controllable ferromagnetism in Mn-doped AlP semiconductor with constant visible light absorption. 2020 , 138, 109274	1
267	High-TC Ferromagnetic Semiconductors: Fake or Fact?. 2020 , 14, S56-S59	
266	Induction of half-metallic ferromagnetism in BaS semiconductor via Cr-doping. 2020 , 182, 109760	2
265	High Curie Temperature Ferromagnetism and High Hole Mobility in Tensile Strained Mn-Doped SiGe Thin Films. 2020 , 30, 2002513	3
264	Direct observation of the magnetic ordering process in the ferromagnetic semiconductor Ga _{1-x} MnxAs via soft x-ray magnetic circular dichroism. 2020 , 128, 213902	1
263	Femtosecond Double-Pulse Laser Ablation and Deposition of Co-Doped ZnS Thin Films. 2020 , 10,	6
262	Structural, optical and magnetic properties of cobalt-doped ZnTe dilute magnetic semiconductors. 2020 , 31, 15140-15152	1
261	Probing the origins of magnetism in 2 at% Fe-implanted 4H-SiC. 2020 , 188, 157-163	5
260	Fabrication and characterization of Mn-implanted GaN layers followed by annealing. 2020 , 14, 17-25	
259	Intrinsic ferromagnetism in 4H-SiC single crystal induced by Al-doping. 2020 , 126, 1	2
258	Gadolinium-implanted GaN studied by spin-polarized positron annihilation spectroscopy. 2020 , 102,	2
257	First-Principles Study on the Ferromagnetism of Mn-Doped LiZnAs Half-Heusler Compound. 2020 , 62, 2077-2083	0
256	Impact of next-nearest-neighbor hopping on ferromagnetism in diluted magnetic semiconductors. 2020 , 102,	0
255	Emergence of half-metallic ferromagnetism in Ga _{1-x} MnxAs ($x=0.25, 0.125$ and 0.0625). 2020 ,	
254	Anisotropic Quantum Transport through a Single Spin Channel in the Magnetic Semiconductor EuTiO. 2020 , 32, e1908315	5
253	Origin of the magnetic properties of Fe-implanted 4H-SiC semiconductor. 2020 , 127, 183901	2

- 252 Spintronics: Future Technology for New Data Storage and Communication Devices. **2020**, 33, 2557-2580 21
- 251 Oxygen vacancies and F+ centre tailored room temperature ferromagnetic properties of CeO₂ nanoparticles with Pr doping concentrations and annealing in hydrogen environment. **2020**, 844, 156079 20
- 250 A novel diluted magnetic semiconductor (Ca,Na)(Zn,Mn)₂Sb₂ with decoupled charge and spin dopings. **2020**, 29, 057507 2
- 249 Inhomogeneity-induced high temperature ferromagnetism in n-type ferromagnetic semiconductor (In,Fe)As grown on vicinal GaAs substrates. **2020**, 59, 063002 2
- 248 Spin-related optical behaviors of dilute magnetic semiconductor ZnSe:Ni(II) nanobelts. **2020**, 31, 325002 9
- 247 Microstructure and ferromagnetism of heavily Mn doped SiGe thin films. **2020**, 29, 057504 1
- 246 Emergence of ferromagnetism in vanadium doped aluminium phosphide using density functional theory. **2020**, 28, 1820-1824
- 245 Tailoring the structural, electronic structure and optical properties of Fe: SnO₂ nanoparticles. **2020**, 240, 146934 12
- 244 Introduction to spintronics and 2D materials. **2020**, 1-24
- 243 Spin-charge interconversion in heterostructures based on group-IV semiconductors. **2020**, 43, 45-96 8
- 242 Ab initio studies of the structural, electronic and magnetic properties of stannite CuFe₂-III-VI₄ (III = Al, Ga, In and VI = S, Se, Te) alloys. **2020**, 23, e00459 3
- 241 Quantum critical point and ferromagnetic semiconducting behavior in p-type FeAs₂. **2020**, 101, 3
- 240 Adsorption of C₂H₂, CH₄ and CO on Mn-doped graphene: Atomic, electronic, and gas-sensing properties. **2020**, 119, 113959 48
- 239 Mn-Doped Sr/Si(111)-(3 × 3) HCC Surfaces: Antiferromagnetic Semiconductors for Spintronic Applications. **2020**, 12, 9918-9924 4
- 238 Hybridization between the ligand p band and Fe d orbitals in the p-type ferromagnetic semiconductor (Ga,Fe)Sb. **2020**, 101, 9
- 237 Enabling room temperature ferromagnetism in monolayer MoS via in situ iron-doping. **2020**, 11, 2034 46
- 236 Intrinsic ferromagnetism and anomalous Hall effect in GaN thin film by Mn delta doping. **2020**, 834, 154892 1
- 235 Raman LO phonon signal and two dimensional AFM studies on GaAs implanted by Mn ions and impact of irradiation with 5 MeV Si⁺⁺ ions on it. **2021**, 176, 300-307

- 234 Spin-orbit torques: Materials, mechanisms, performances, and potential applications. **2021**, 118, 100761 52
- 233 (La_{1-x}Sr_x)(Zn_{1-x}Mn_x)SbO: A novel 1111-type diluted magnetic semiconductor. **2021**, 0-0 2
- 232 Probing giant Zeeman shift in vanadium-doped WSe₂ via resonant magnetotunneling transport. **2021**, 103, 3
- 231 Two-dimensional magneto-photoconductivity in non-van der Waals manganese selenide. **2021**, 8, 1286-1296 24
- 230 Transition-metal adatoms on 2D-GaAs: a route to chiral magnetic 2D materials by design. **2021**,
- 229 Study of structural, electronic, elastic and magnetic properties of Al_{0.75}X_{0.25}P (X=Cr, Mn, Fe) using Density Functional Theory. **2021**, 325, 114172 0
- 228 Site-specific atomic order and band structure tailoring in the diluted magnetic semiconductor (In,Ga,Mn)As. **2021**, 103, 6
- 227 Insight view of double perovskites Ba₂XNbO₆ (X='Ho,Yb) for spintronics and thermoelectric applications. **2021**, 45, 13338-13354 2
- 226 Extrinsic room-temperature ferromagnetism in MoS₂. **2021**, 56, 9692-9701 1
- 225 Drastic improvement of Curie temperature by chemical pressure in N-type diluted magnetic semiconductor Ba(Zn,Co)[Formula: see text]As[Formula: see text]. **2021**, 11, 7652 3
- 224 Toward two-dimensional ionic crystals with intrinsic ferromagnetism. **2021**, 395, 127229 1
- 223 Ferromagnetism in a Semiconductor with Mobile Carriers via Low-Level Nonmagnetic Doping. **2021**, 15, 0
- 222 Semiconductor Thin Films for Information Technology. **2021**, 257-284
- 221 Magnetic order and critical temperature of substitutionally doped transition metal dichalcogenide monolayers. **2021**, 5, 11
- 220 Unconventional high-temperature ferromagnetic semiconductor PbPd_{1-x}FeyLixO₂. **2021**, 129, 203903
- 219 Na and Cr co-doped BaCd₂As₂: A hexagonal structured diluted magnetic semiconductor with decoupled charge and spin doping. **2021**, 526, 167754 1
- 218 Weyl nodal-line surface half-metal in CaFeO₃. **2021**, 103, 3
- 217 The search for manganese incorporation in MoSe₂ monolayer epitaxially grown on graphene. **2021**, 22, 1-17 1

216	Enhanced magnetic moment with cobalt dopant in SnS ₂ semiconductor. 2021 , 9, 051106	2
215	EPR Spectra of Sintered CdCrTe Powdered Crystals with Various Cr Content. 2021 , 14,	0
214	Diluted magnetic concentric double quantum rings embedded in a quantum well: effect of magnetic field and ring dimension. 2021 , 136, 1	
213	Tunable and Robust Near-Room-Temperature Intrinsic Ferromagnetism of a van der Waals Layered Cr-Doped 2H-MoTe Semiconductor with an Out-of-Plane Anisotropy. 2021 , 13, 31880-31890	1
212	Magnetically active lithium-ion batteries towards battery performance improvement. 2021 , 24, 102691	10
211	Effect of Sn-doping on the structural, optical, dielectric and magnetic properties of ZnO nanoparticles for spintronics applications. 2021 , 32, 21631-21642	0
210	Doping-controllable high temperature magnetic semiconductor. 2021 , 131, 114731	1
209	Room temperature ferromagnetism in Sb doped ZnO. 2021 , 529, 167908	1
208	A review on 3d transition metal dilute magnetic REIn ₃ intermetallic compounds.	
207	Present Status of Rare-earth Free Ferrimagnet Mn ₄ N and Future Prospects of Mn ₄ N-based Compensated Ferrimagnets. 2021 , 90, 081010	7
206	Room-Temperature Ferromagnetism in MgMnAs with Layered Structure. 2021 , 60, 14357-14363	
205	Spin relaxation in diluted magnetic semiconductors: GaMnAs as example. 2021 , 33,	0
204	Investigations on magnetic properties of p-type ferromagnetic (Ca, Na)(Zn, Mn) ₂ As ₂ . 2021 , 271, 115282	1
203	A first-principles study of the effect of doping and vacancy defects on the magnetic properties of ZnSnAs ₂ :V. 1	
202	Structural, Elastic, Electronic, and Magnetic Properties of Interstitial V-Doped SrO (SrVxO): FP-LAPW Method. 2021 , 56, 2100071	0
201	Origin of room-temperature ferromagnetism in Co-doped CeO ₂ . 2021 , 619, 413158	1
200	Cu ₂ (Zn,Mn)(Sn,Al)Se ₄ : A diluted magnetic semiconductor with decoupled charge and spin doping. 2021 , 536, 168064	0
199	Room temperature short-range ferromagnetic order in Ni-doped tetragonal perovskite niobate. 2021 , 305, 130812	0

198	DFT study, Mean-Field Approximation and Monte-Carlo simulation of physical properties of Fe and Cr doped and co-doped GaN. 2021 , 340, 114509	0
197	Synthesis of Sn ¹⁺ NixO ₂ nanoparticles: Observation of room temperature structural, optical and magnetic behavior. 2022 , 891, 161990	1
196	Half-Dirac semimetals and the quantum anomalous Hall effect in Kagome Cd ₂ N ₃ lattices. 2021 , 3, 847-854	3
195	Magnetic properties of doped germanium nanostructures. 2021 , 213-234	
194	Theory of Ferromagnetism in Diluted Magnetic Semiconductors. 2001 , 195-212	3
193	Encyclopedia of Complexity and Systems Science. 2009 , 8597-8616	1
192	Advanced Ceramics and Nanocomposites of Half-metallic Ferromagnetic CrO ₂ for Magnetic, GMR and Optical Sensors. 2008 , 1-64	1
191	Hard X-ray Angle-Resolved Photoelectron Spectroscopy (ARPES). 2016 , 141-157	2
190	Low Energy Ion Beam Modification of Nanostructures. 2016 , 475-500	1
189	Magnetoresistance and Spin Valves. 2008 , 71-98	2
188	Ferromagnet/Semiconductor Heterostructures and Spininjection. 2008 , 335-360	3
187	Spin Dynamics in High-Mobility Two-Dimensional Electron Systems. 2009 , 143-155	11
186	Magnetic Semiconductors. 2010 , 441-449	4
185	Far infrared absorption spectra in ferromagnetic Ga _{1-x} Mn _x As. 2001 , 268-269	1
184	Magneto-Optics of Diluted Magnetic Semiconductors: New Materials and Applications. 2000 , 211-244	41
183	Magnetic Ions in Group III-V Semiconductors. 2015 , 313-338	1
182	Si Based Magnetic Semiconductors. 2016 , 523-561	2
181	Magnetic Dichroism Studies of Spintronic Structures. 2016 , 709-755	1

180	Ferromagnetic Semiconductors and Their Nanostructures: New Opportunities and Challenges. 2000 , 211-224	4
179	The effects of substitutional Fe-doping on magnetism in MoS ₂ and WS ₂ monolayers. 2020 ,	6
178	Evolution of Fe 3d impurity band state as the origin of high Curie temperature in the p-type ferromagnetic semiconductor (Ga,Fe)Sb. 2020 , 102,	6
177	Growth, electrical, structural, and magnetic properties of half-Heusler CoTi _{1-x} Fe _x Sb. 2018 , 2,	4
176	Magnetic properties and electronic origin of the interface between dilute magnetic semiconductors with orthogonal magnetic anisotropy. 2020 , 4,	3
175	Dependence of quantum kinetic effects in the spin dynamics of diluted magnetic semiconductors on the excitation conditions. 2016 ,	3
174	Metal-Insulator Transition in Diluted Magnetic Semiconductor. 2003 , 72, 211-212	1
173	Electronic Structure of Mn in III-Mn-V Ferromagnetic Semiconductors. 2010 , 123-155	0
172	Ga _{1-x} MnxP Synthesized by Ion Implantation and Pulsed-Laser Melting. 2010 , 157-180	4
171	Interlayer Exchange Coupling in Short Period GaMnAs/GaAs Superlattices. 2001 , 100, 335-341	18
170	Magnetic Properties of Short Period InGaMnAs/InGaAs Superlattices. 2002 , 102, 687-694	6
169	Magnetic Properties of GaMnAs Single Layers and GaInMnAs Superlattices Investigated at Low Temperature and High Magnetic Field. 2003 , 103, 613-619	3
168	High Temperature Ferromagnetism and Nano-Scale Phase Separations in Diluted Magnetic Semiconductors and Oxides. 2007 , 111, 27-46	16
167	Hole Transport in Impurity Band and Valence Bands Studied in Moderately Doped GaAs:Mn Single Crystals. 2007 , 112, 325-330	3
166	GaMnAs: Layers, Wires and Dots. 2008 , 114, 1001-1012	9
165	Structural and Optical Behaviour of Ni Doped CdS Nanoparticles Synthesized by Chemical Co-Precipitation Method. 2011 , 120, A-52-A-54	12
164	Development of an UHV-SMOKE System Using Permanent Magnets. 2010 , 8, 298-302	1
163	Multiple Scattering Approach to GaN:Gd Gd L ₃ -Edge XANES. 2012 , 10, 661-665	1

162	0-00000-000-sp-000-000 000 2007, 177, 1083	10
161	Epitaxial Growth, Magnetic and Transport Properties of a New III-V Diluted Magnetic Semiconductor: GaMnAs. 1997 , 21, 393-396	2
160	Magnetic Coupling in Epitaxial MnGa/(Mn, Ga, As)/MnGa Trilayers. 1997 , 21, 545-548	2
159	III-V Based Ferromagnetic Semiconductors. 1999 , 23, 88-92	2
158	Magnetotransport Properties of (Ga, Mn)As/GaAs/(Ga, Mn)As Trilayer Structures. 1999 , 23, 99-101	3
157	Effect of Zn/Te Flux Ratio on Magnetic Properties of II-VI Diluted Magnetic Semiconductor Zn _{1-x} Cr _x Te. 2004 , 28, 145-148	1
156	Magnetic and Transport Properties of As-grown and Annealed GaMnAs Thick Layers. 2012 , 36, 49-53	4
155	Recent progress in ferromagnetic semiconductors and spintronics devices. 2021 , 60, 010101	6
154	Recent Progress in the Magnetism Theory of ZnO-based Diluted Magnetic Semiconductors. 2009 , 24, 1-7	4
153	Single Crystal Growth and Magnetic Properties of Mn-doped Bi ₂ Se ₃ and Sb ₂ Se ₃ . 2004 , 9, 125-127	5
152	Ferromagnetic Domain Behaviors in Mn doped ZnO Film. 2011 , 16, 216-219	2
151	Magnetism of V, Cr and Mn doped MoS ₂ by first-principal study. 2013 , 62, 187102	8
150	Anomalous Hall Effect and Magnetoresistance in Mn-Doped ZnSnAs ₂ Epitaxial Film on InP Substrates. 2011 , 50, 01BE12	8
149	Ce-Induced Reconstruction of Si(001) Surface Structures. 2011 , 50, 065701	1
148	An Object-Oriented Approach to UML Scenarios Engineering and Code Generation. 2009 , 35-41	4
147	Transition metal nitrides and their mixed crystals for spintronics. 2021 , 33,	2
146	Spin-glass like magnetic ordering in Ge _{1-x} (Sn Mn) _x Te multiferroics. 2022 , 544, 168695	
145	Formation of MnSb Granular Films and Their Magneto-optical Properties.. 2000 , 24, 499-502	

- 144 Crystal Structure and Magnetization of Perovskite-related Ga Oxides, $\text{Sr}_3(\text{Ga}_{1-x}\text{Mn}_x)_2\text{O}_6$. **2001**, 25, 719-722
- 143 Spin-dependent properties of magnetic III V semiconductors. **2001**, 337-354
- 142 Cross-sectional scanning tunneling microscope (STM) study of Mn-doped GaAs layers. **2001**, 244-245
- 141 Enhancement of Magneto-optical Effect in Multilayer Structures Consisting of GaAs:MnAs nanoclusters and GaAs/AlAs DBRs.. **2001**, 25, 655-658
- 140 Magnetic-Field-Driven Metal-Insulator Transition in Magnetic Semiconductor (Ga,Mn)As. **2001**, 254-255
- 139 Coherent Manipulations in Semiconductor Nanostructures. **2001**, 100, 175-204
- 138 Magnetic Properties of III V Ferromagnetic Semiconductor (Ga,Mn)As. **2002**, 169-179
- 137 ESR measurement of heavily doped Si:Fe. **2002**, 298-301
- 136 Studies of Interlayer Magnetic Coupling in All-Semiconductor Superlattices by Means of Neutron Scattering Techniques. **2002**, 102, 21-34
- 135 Ferromagnetic Properties of Diluted Magnetic Semiconductor $\text{Zn}_{1-x}\text{Cr}_x\text{Te}$.. **2003**, 27, 281-284 1
- 134 Magnetic point contact in ferromagnetic semiconductor (Ga,Mn)As. **2003**, 6, 53-54
- 133 Electric-Field Control of Metal-Insulator Transition at Room Temperature Using $\text{Pb}(\text{Zr},\text{Ti})\text{O}_3/(\text{La},\text{Ba})\text{MnO}_3$ Heterostructure. **2004**, 28, 356-359
- 132 Spin Electronics ¶ Is It the Technology of the Future?. **2004**, 1-7
- 131 Theory of Magnetotransport in Ferromagnetic Mesoscopic Devices. **2004**, T114, 80-84
- 130 Domain Structure and Magnetic Anisotropy in $\text{Ga}_{1-x}\text{Mn}_x\text{As}$. **2004**, 265-272 1
- 129 A Study on Growth and Characterization of Magnetic Semiconductor GaMnAs Using LT-MBE. **2004**, 14, 235-238
- 128 Structural, Electrical and Magnetic Properties of Wide Bandgap Diluted Magnetic Semiconductor $\text{CuAl}_{1-x}\text{Mn}_x\text{O}_2$ Ceramics. **2004**, 14, 595-599
- 127 Magnetotransport of Be-doped GaMnAs. **2005**, 15, 73-77

126 Synthesis and Characterization of Wide Band-Gap Semiconductor Spintronic Materials. **2006**, 37-56

125 Room-temperature Ferromagnetism in Fe-doped Reduced TiO₂. **2006**, 13, 401-407

124 Tunneling Magnetoresistance in Semiconductors.

123 Ferromagnetic Semiconductors.

1

122 Spin Engineering in Quantum Well Structures.

121 Manipulation of Spins and Coherence in Semiconductors.

120 Manipulation of Nuclear Spins in Interfaces of Diluted Magnetic Semiconductors. **2008**, 6, 7-10

119 The Effects of Codoping of Be and Mg on Incorporation of Mn in GaAs. **2008**, 18, 444-449

118 Defects in Gallium Arsenide. **2008**,

117 Anisotropic Half-metallic Ground State of Mn Atomic Wires on GaAs(110). **2009**, 30, 532-537

116 Magnetotransport Properties of MnGe₂ Films. **2009**, 19, 133-137

115 InN-Based Dilute Magnetic Semiconductors. **2009**, 541-560

114 Magnetic Properties of Heteroepitaxial MnAs Thin Films and Their Post-growth Annealing Effects. **2009**, 19, 126-132

113 Ferromagnetism in InMnAs layers at room temperature. **2010**, 50, 52

112 Ga_{1-x}Mn_xAs: conductivity, resistivity, magnetoresistance, Hall effect. **2010**, 189-191

111 Ga_{1-x}Mn_xAs: crystal structure, lattice parameter. **2010**, 186-186

110 Effects of Substrate Strain on Epitaxial Growth by Kinetic Monte Carlo Method. **2010**, 59, 610-615

109 Ga_{1-x}Mn_xAs: exchange integrals, Curie temperature, magnetic anisotropy. **2010**, 192-192

- 108 Computational Materials Design in Semiconductor Nano-spintronics. **2010**, 1-79
- 107 The study of defects in Ga_{0.946}Mn_{0.054}As by X-ray absorption spectra. **2011**, 60, 016101
- 106 The hole concentration and strain relaxation of ultrathin GaMnAs film. **2011**, 60, 027105
- 105 Growth of Zn_{0.4}Fe_{2.6}O₄ Thin Films using Pulsed Laser Deposition and their Crystal Structural and Magnetic Properties. **2011**, 21, 88-92
- 104 Ge_{1-x}Mn_x-Diluted Magnetic Semiconductor Nanostructures for Spintronics. **2012**, 693-731
- 103 6.9 Examples of III-V layers and nanostructures with diluted semiconductor materials. **2013**, 182-192
- 102 Field Effect of Magnetic Semiconductor Si:Ce Thin Films Using Organic Ferroelectrics. **2013**, 56, 136-138
- 101 Study on preparation and characteristics of Fe- and Mn-doped AlN thin films. **2013**, 62, 217504
- 100 Spin-Polarized Quantum Transport in Mesoscopic Conductors: Computational Concepts and Physical Phenomena. **2013**, 1-30
- 99 Application of Sub-second Annealing for Diluted Ferromagnetic Semiconductors. **2014**, 297-314
- 98 Nanonet Formation by Constitutional Supercooling of Pulsed Laser Annealed, Mn-Implanted Germanium. **2014**, 15-33
- 97 Magnetic III_{IV} Semiconductor-Based Hybrid Structures. **2014**, 1-42
- 96 Anomalous giant Barkhausen jumps in III_{IV}-based diluted magnetic semiconductor (In,Mn)As at low temperatures. **1999**, 177-180
- 95 Magnetic Ions in Group IV Semiconductors. **2015**, 289-311
- 94 Magnetotransport Behaviors of (Ga,Mn)As-Based Nanostructures and Devices. **2015**, 1-25
- 93 Molecular-beam epitaxy of high-quality diluted magnetic semiconductor (Ga, Mn)Sb single-crystalline films. **2015**, 64, 077501
- 92 Study on magnetic moment of cation-vacancy. **2015**, 64, 176101
- 91 The Spectral Properties of (SiO₂)_n, (GaN)_m, (GaAs)_m, (SiO₂)_n(GaN)_m, and (SiO₂)_n(GaAs)_m Nanoparticles: Computer Experiment. **2015**, 1-20

90 Introduction. **2015**, 1-9

89 Si- and Ge-based Magnetic Semiconductors. **2015**, 1-33

88 Magnetic Dichroism Studies of Spintronic Structures. **2015**, 1-39

87 TMR and AIO Based Magnetic Tunneling Junctions. **2015**, 1-39

86 IIIIV Based Magnetic Semiconductors. **2015**, 1-49

85 Magnetic property and electronic structure of BaFe_{4-x}Ti_{2+x}O₁₁. **2015**, 64, 117501

84 Depth-Dependence of Electron Screening, Charge Carriers and Correlation: Theory and Experiments. **2016**, 197-216

83 IIIIV Based Magnetic Semiconductors. **2016**, 465-521

82 The Spectral Properties of (SiO₂)_n, (GaN)_m, (GaAs)_m, (SiO₂)_n(GaN)_m, and (SiO₂)_n(GaAs)_m Nanoparticles: Computer Experiment. **2016**, 745-767

81 Magneto-Transport Behaviors of (Ga,Mn)As Based Nano-structures and Devices. **2016**, 585-614

80 Magnetic/III-V Semiconductor Based Hybrid Structures. **2016**, 285-333

79 Magnetic Semiconductors. **2017**, 1-28

78 Magnetic Semiconductors. **2018**, 303-330

77   
Lahderanta E.. **2019**, 279-279

76 New Functionalities and Spintronics Applications of Ferromagnetic Semiconductors and Their Heterostructures. **2019**, 139, 679-685

75 Magnetic compensation at two different composition ratios in rare-earth-free Mn_{4-x}CoxN ferrimagnetic films. **2020**, 4, 11

74 Ferromagnetism of Chalcopyrite AlGaAs₂:Mn Quaternary Alloys. **2020**, 30, 666-671

73 Magnetic Semiconductors. **2020**, 1-28

- 72 Ab initio modeling of few-layer dilute magnetic semiconductors. **2021**,
- 71 Transport and magnetic properties of co-doped ferromagnetic semiconductor (In,Fe,Mn)As. **2020**, 13, 083005
- 70 Nitride-Based Spintronics. **2006**, 261-311
- 69 Gallium manganese arsenide Ga(1-x)Mn(x)As physical properties. 1-3
- 68 Dependence of Layer Thickness on Magnetism and Electrical Conduction in Ferromagnetic (In,Mn)As/GaSb Heterostructures. **2008**, 23-26
- 67 Ferrimagnetic/ferromagnetic phase transition in Mn₄N films favored by non-magnetic In doping. 4
- 66 On the doping of the Ga₁₂As₁₂ cluster with groups p and d atomic impurities. **2021**, 140, 1 0
- 65 Growth and characterization of quaternary-alloy ferromagnetic semiconductor (In,Ga,Fe)Sb. **2022**, 12, 015307
- 64 A CaAl₂Si₂-Type Magnetic Semiconductor (Sr, Na)(Zn, Mn)₂Sb₂ Isostructural to 122-Type Iron-Ba. **2022**, 2022, 1-7
- 63 Molecular beam epitaxial growth and magneto-transport properties of Mn₄In N films on SrTiO₃(001) and MgO(001) substrates. **2022**, 582, 126525 2
- 62 DFT based investigation of the structural, magnetic, electronic, and half-metallic properties of solid In_{1-x}Ti_xSb solutions. **2021**, 24, 43704 0
- 61 Structural Characterization and Physical Properties of Double Perovskite LaFeReO Powders.. **2022**, 12, 0
- 60 Transition from Metallic to Insulating Nature and Room Temperature Ferromagnetism of Fe_{0.05}(SnTe) Bulk Alloy. 1 0
- 59 Ferromagnetic Double Perovskite Semiconductors with Tunable Properties.. **2022**, e2104319 1
- 58 Unit cell distortion and surface morphology diversification in a SnTe/CdTe(001) topological crystalline insulator heterostructure: influence of defect azimuthal distribution. 2
- 57 Growth of Co-doped ZnO thin films exhibiting room temperature ferromagnetism using a low-cost spray pyrolysis technique. **2022**, 45, 1 0
- 56 First-Principles Study of High-Pressure Phase Stability and Electron Properties of Be-P Compounds.. **2022**, 15, 0
- 55 Reducing Losses in Perovskite Large Area Solar Technology: Laser Design Optimization for Highly Efficient Modules and Minipanel. 2103420 5

- 54 Bias-dependent two-phase anisotropy in magnetoresistance of a GaMnAs-based magnetic tunnel junction.
- 53 Structural, Magnetic and Magneto-Transport Properties of Mn-Doped SiGe Thin Films.
- 52 Computational search for itinerant n -type and p -type magnetic semiconductors: Arsenopyrites as bipolar magnetic semiconductors. **2022**, 105,
- 51 Magnetic Interactions in IV \bar{V} I Diluted Magnetic Semiconductors. 2100592 ○
- 50 Manipulation of the ferromagnetic ordering in magnetic semiconductor (La,Ca)(Zn,Mn)AsO by chemical pressure. **2022**, 554, 169276
- 49 Surface Functionalization for Magnetic Property Tuning of Nonmagnetic 2D Materials. **2022**, 9, 2100463 ○
- 48 Structural, Electronic and Magnetic Properties of CaSe Doped with 3d (V, Cr and Mn). **2021**, 11,
- 47 Mn-doped SiGe thin films grown by UHV/CVD with room-temperature ferromagnetism and high hole mobility. 1 ○
- 46 A Review of Bipolar Magnetic Semiconductors from Theoretical Aspects. **2022**, ○
- 45 Designing Magnetic Semiconductors From a Ferromagnetic Metallic Glass. **2022**, 9, ○
- 44 EFFECT OF ANNEALING OF Co-DOPED ZnO THIN FILMS ON STRUCTURAL AND MAGNETIC PROPERTIES DEPOSITED BY SOL-GEL/SPIN-COATING TECHNIQUE.
- 43 Design of novel dilute magnetic semiconductors by exhaustive first-principles calculations and scale-bridging simulations. **2022**, 31, 103604
- 42 Spin polarized study of alkaline earth-cubic lead perovskites (PbXO₃, X = Mg, Ca & Sr) for emerging spintronic technology. **2022**, 590, 126699 ○
- 41 Spark plasma sintering-assisted synthesis and high-T ferromagnetism of Mn-doped SiGe alloys. **2022**, 218, 114802
- 40 Magnetic Properties and Electronic Configurations of Mn Ions in the Diluted Magnetic Semiconductor Ba_{1-x}K_x(Zn_{1-y}Mn_y)₂As₂ Studied by X-ray Magnetic Circular Dichroism and Resonant Inelastic X-ray Scattering. **2022**, 91,
- 39 Sol-gel synthesis of topological insulator bismuth selenide nanoparticles by using different solvents. **2022**, 17, 649-659
- 38 Development of magnetism in Fe-doped magnetic semiconductors: Resonant photoemission and x-ray magnetic circular dichroism studies of (Ga,Fe)As. **2022**, 105, ○
- 37 Magneto-Electronic and Optical Properties of Full Heusler Alloy, Y₂FeSi: a First Principle Calculation With and Without Spin-Orbit Coupling Effect. ○

- 36 Spin-related phenomena in spin 3/2 charge carrier holes systems. **2022**, 352, 114815 ○
- 35 Influence of Fe and Cu Co-Doping on Structural, Magnetic and Electrochemical Properties of CeO₂ Nanoparticles. **2022**, 15, 4119 ○
- 34 Structural, magnetic and Magneto-transport properties of Mn-doped SiGe thin films. **2022**, 560, 169630 ○
- 33 The Effect of Mn Content on the Morphological, Structural and Optical Features of LT-MBE Grown (Ga,Mn)As Thin Films. ○
- 32 (Ca,K)(Zn,Mn)₂As₂: Ferromagnetic semiconductor induced by decoupled charge and spin doping in CaZn₂As₂. **2022**, 43, 072501 ○
- 31 Density Functional Theory Study on Magnetic character and Mn Crystal Field Split Levels in Mn-doped SnO Monolayer. ○
- 30 Honeycomb-kagome lattice Na₃Te₂: Dirac half-metal with quantum anomalous Hall effect. **2022**, 111658 ○
- 29 Emergence of low-temperature glassy dynamics in Ru substituted non-magnetic insulator CaHfO₃. **2022**, 34, 415802 ○
- 28 Ferromagnetic Order in Semiconducting Cr-Doped δ MnTe Nanosheets Grown by Chemical Vapor Deposition. 2200451 ○
- 27 Endotaxial δ Fe Nanoparticles in the High-Fluence Iron-Implanted Single-Crystal MgO. **2022**, 12, 1095 ○
- 26 Thin film growth of Ba(Zn,Fe)₂As₂ by molecular beam epitaxy. **2022**, 758, 139420 ○
- 25 Evolution of ferromagnetic stability with magnetic impurity and vacancies in Cr-doped CaZn₂As₂ system. **2022**, 285, 115955 ○
- 24 Magnetic Semiconductors. **2022**, 1-47 ○
- 23 Magnetic properties of transition metal ion-doped AgCuS: an ab-initio calculation. 1-13 ○
- 22 We are 60!. **2022**, 121, 100401 ○
- 21 Magnetic structure of 3d-element doped Mn₄N films confirmed by X-ray magnetic circular dichroism [Conditions for magnetic compensation. **2022**, 564, 170050 1
- 20 Effect of annealing time on structural, optical and magnetic properties of TiO₂ nanoparticles. **2022**, 134, 113178 ○
- 19 Mangangruppe: Elemente der siebten Nebengruppe. **2022**, 1-43 ○

18	Halbleiter. 2022 , 1-6	○
17	Synthesis and high-temperature ferromagnetism of Fe-doped SiGe diluted magnetic semiconductor thin films.	○
16	First-principles calculations of Mn incorporation into GaAs(110). 2023 , 729, 122230	○
15	Effect of Cr concentration on the optical and magnetic properties of Cr-TiN thin films grown by reactive magnetron sputtering.	○
14	Ferromagnetism enhancement by increasing oxygen vacancies in Co-doped ZnO thin films. 2022 , 12, 125221	○
13	Theoretical proposal and material realization of ferromagnetic negative charge-transfer energy insulator. 2023 , 107,	○
12	Computational study of electronic, magnetic, and optical properties of Fe(II) mono-doped and (Fe(II), Al) co-doped ZnTe. 2023 , 567, 170344	○
11	Influence of 3d-Fe substitution on structural, mechanical, electronic, and magnetic properties in rock-salt SrS: Insights from the first-principles study. 2023 , 361, 115060	○
10	Magnetic Semiconductors. 2023 , 319-365	○
9	Influence of Mo Doping on Electronic and Magnetic Properties of Monolayer CrX ₃ : A First-Principles Study. 2023 , 12, 043001	○
8	Surface and interface mediated magnetism in mesoscopic ceria@carbon core-shell structures. 2023 , 38, 102817	○
7	Room temperature d ₀ ferromagnetism in carbon doped LaH ₃ : insights from density functional theory simulations. 2023 , 56, 095001	○
6	Magnetic and transport properties of electron doped EuTiO ₃ thin films with La ³⁺ (4f ⁰) or Gd ³⁺ (4f ⁷) donors grown by gas source molecular beam epitaxy. 2023 , 11, 031101	○
5	Experimental demonstration of electrical spin injection into semiconductor employing conventional three-terminal and non-local Hanle devices using spin gapless semiconductor as ferromagnetic injector. 2023 , 122, 092404	○
4	Structural, Optical, Electric and Magnetic Characteristics of (In _{1-x} Gdx) ₂ O ₃ Films for Optoelectronics. 2023 , 16, 2226	○
3	Magnetic glassy state in combination with ferromagnetism in Fe _{0.05} (SnTe) _{0.97} Sb _{0.03} bulk alloy. 2023 , 10, 044002	○
2	Hydrogen anion as a strong magnetic mediator for obtaining high-temperature ferromagnetic semiconductors: The case of hydride double perovskites. 2023 , 107,	○
1	?????????????????????????????. 2023 , 62, 301-306	○

