Arcady Zhukov

List of Publications by Citations

563 papers	9,792 citations	54 h-index	71 g-index
618 ext. papers	10,898 ext. citations	2.7 avg, IF	6.23 L-index

#	Paper	IF	Citations
563	Magnetic properties of glass-coated amorphous and nanocrystalline microwires. *Journal of Magnetism and Magnetic Materials*, **1996**, 160, 223-228	2.8	202
562	On the state-of-the-art in magnetic microwires and expected trends for scientific and technological studies. *Physica Status Solidi (A) Applications and Materials Science*, **2011**, 208, 493-501	1.6	187
561	Giant magnetoimpedance effect in soft magnetic wires for sensor applications. *Sensors and Actuators A: Physical*, **1997**, 59, 20-29	3.9	171
560	Preparation and properties of glass-coated microwires. *Journal of Magnetism and Magnetic Materials*, **2002**, 249, 39-45	2.8	158
559	Magnetoelastic anisotropy distribution in glass-coated microwires. *Journal of Materials Research*, **1996**, 11, 2499-2505	2.5	141
558	Thin magnetically soft wires for magnetic microsensors. *Sensors*, **2009**, 9, 9216-40	3.8	131
557	The remagnetization process in thin and ultra-thin Fe-rich amorphous wires. *Journal of Magnetism and Magnetic Materials*, **1995**, 151, 132-138	2.8	117
556	Optimization of giant magnetoimpedance in Co-rich amorphous microwires. *IEEE Transactions on Magnetics*, **2002**, 38, 3090-3092	2	114
555	Magnetoelastic anisotropy of amorphous microwires. *Journal of Magnetism and Magnetic Materials*, **2003**, 254-255, 469-471	2.8	113
554	Design of the Magnetic Properties of Fe-Rich, Glass-Coated Microwires for Technical Applications. *Advanced Functional Materials*, **2006**, 16, 675-680	15.6	99
553	Microwires coated by glass: A new family of soft and hard magnetic materials. *Journal of Materials Research*, **2000**, 15, 2107-2113	2.5	96
552	Magnetostriction in glass-coated magnetic microwires. *Journal of Magnetism and Magnetic Materials*, **2003**, 258-259, 151-157	2.8	87
551	Experimental demonstration of tunable scattering spectra at microwave frequencies in composite media containing CoFeCrSiB glass-coated amorphous ferromagnetic wires and comparison with theory. *Physical Review B*, **2006**, 74,	3.3	83
550	Highly sensitive magnetometer based on the off-diagonal GMI effect in Co-rich glass-coated microwire. *Physica Status Solidi (A) Applications and Materials Science*, **2014**, 211, 980-985	1.6	82
549	Supersonic domain wall in magnetic microwires. *Physical Review B*, **2007**, 76,	3.3	80
548	Low-field hysteresis in the magnetoimpedance of amorphous microwires. *Physical Review B*, **2010**, 81,	3.3	78
547	Co-based magnetic microwire and field-tunable multifunctional macro-composites. *Journal of Non-Crystalline Solids*, **2009**, 355, 1380-1386	3.9	74

546	Giant magnetoimpedance in thin amorphous wires: From manipulation of magnetic field dependence to industrial applications. *Journal of Alloys and Compounds*, **2014**, 586, S279-S286	5.7	73
545	Round table discussion: Present and future applications of nanocrystalline magnetic materials. *Journal of Magnetism and Magnetic Materials*, **2005**, 294, 252-266	2.8	73
544	Manipulation of domain wall dynamics in amorphous microwires through the magnetoelastic anisotropy. *Nanoscale Research Letters*, **2012**, 7, 223	5	70
543	Trends in optimization of giant magnetoimpedance effect in amorphous and nanocrystalline materials. *Journal of Alloys and Compounds*, **2017**, 727, 887-901	5.7	66
542	Magnetic and structural properties of NiMnGa Heusler-type microwires. *Scripta Materialia*, **2011**, 65, 703-706	5.6	66
541	Multilayer Microwires: Tailoring Magnetic Behavior by Sputtering and Electroplating. *Advanced Functional Materials*, **2004**, 14, 266-268	15.6	65
540	Magnetic properties and magnetocaloric effect in Heusler-type glass-coated NiMnGa microwires. *Journal of Alloys and Compounds*, **2013**, 575, 73-79	5.7	64
539	Magnetic domain structure of wires studied by using the magneto-optical indicator film method. *Applied Physics Letters*, **2005**, 87, 142507	3.4	64
538	Magnetic properties of amorphous and devitrified FeSiBCuNb glass-coated microwires. *Scripta Materialia*, **1996**, 7, 823-834		63
537	Magnetocaloric effect and multifunctional properties of NiMn-based Heusler alloys. *Journal of Magnetism and Magnetic Materials*, **2012**, 324, 3530-3534	2.8	62
536	Effect of transverse magnetic field on domain wall propagation in magnetically bistable glass-coated amorphous microwires. *Journal of Applied Physics*, **2009**, 106, 113914	2.5	61
535	Tailoring of magnetic properties of glass-coated microwires by current annealing. *Journal of Non-Crystalline Solids*, **2001**, 287, 31-36	3.9	61
534	Tailoring of magnetic properties and GMI effect of Co-rich amorphous microwires by heat treatment. *Journal of Alloys and Compounds*, **2014**, 615, 610-615	5.7	60
533	Glass-coated magnetic microwires for technical applications. *Journal of Magnetism and Magnetic Materials*, **2002**, 242-245, 216-223	2.8	60
532	Magnetoelastic sensor based on GMI of amorphous microwire. *Sensors and Actuators A: Physical*, **2001**, 91, 95-98	3.9	60
531	Domain wall propagation in a Fe-rich glass-coated amorphous microwire. *Applied Physics Letters*, **2001**, 78, 3106-3108	3.4	60
530	Magnetostriction of CoFe-Based Amorphous Soft Magnetic Microwires. *Journal of Electronic Materials*, **2016**, 45, 226-234	1.9	59
529	Domain wall propagation in micrometric wires: Limits of single domain wall regime. *Journal of Applied Physics*, **2012**, 111, 07E311	2.5	59

528	Spatial structure of the head-to-head propagating domain wall in glass-covered FeSiB microwire. *Journal Physics D: Applied Physics*, **2010**, 43, 205001	3	59
527	Exceptional electromagnetic interference shielding properties of ferromagnetic microwires enabled polymer composites. *Journal of Applied Physics*, **2010**, 108, 044510	2.5	59
526	Direct imaging of the magnetization reversal in microwires using all-MOKE microscopy. *Review of Scientific Instruments*, **2014**, 85, 103702	1.7	58
525	Fast magnetic domain wall in magnetic microwires. *Physical Review B*, **2006**, 74,	3.3	58
524	Physical properties of nearly zero magnetostriction Co-rich glass-coated amorphous microwires. *Journal of Materials Research*, **1999**, 14, 3775-3783	2.5	58
523	Magnetic properties of Fe-based glass-coated microwires. *Journal of Magnetism and Magnetic Materials*, **1997**, 170, 323-330	2.8	57
522	Length effect in a Co-rich amorphous wire. *Physical Review B*, **2002**, 65,	3.3	57
521	Giant magneto-impedance in heterogeneous microwires. *Journal of Applied Physics*, **2000**, 88, 6501-6505	2.5	57
520	Induced magnetic anisotropy in CoMnSiB amorphous microwires. *Journal of Applied Physics*, **2000**, 87, 1402-1409	2.5	57
519	Manipulation of magnetic properties of glass-coated microwires by annealing. *Journal of Magnetism and Magnetic Materials*, **2015**, 383, 232-236	2.8	56
518	Ground state magnetization distribution and characteristic width of head to head domain wall in Fe-rich amorphous microwire. *Physica Status Solidi (A) Applications and Materials Science*, **2009**, 206, 613-617	1.6	56
517	Mechanisms of the ultrafast magnetization switching in bistable amorphous microwires. *Journal of Applied Physics*, **2009**, 106, 103902	2.5	56
516	Recent research on magnetic properties of glass-coated microwires. *Journal of Magnetism and Magnetic Materials*, **2005**, 294, 182-192	2.8	56
515	Ferromagnetic resonance, magnetic behaviour and structure of Fe-based glass-coated microwires. *Journal of Magnetism and Magnetic Materials*, **1999**, 203, 238-240	2.8	56
514	Magneto-impedance in glass-coated CoMnSiB amorphous microwires. *IEEE Transactions on Magnetics*, **1998**, 34, 724-728	2	55
513	Domain Wall Propagation in Thin Magnetic Wires. *IEEE Transactions on Magnetics*, **2008**, 44, 3925-3930	2	55
512	Stress induced magnetic anisotropy and giant magnetoimpedance in Fe-rich glass-coated magnetic microwires. *Journal of Applied Physics*, **2003**, 94, 1115-1118	2.5	55
511	Torsional stress impedance and magneto-impedance in (Co0.95Fe0.05)72.5Si12.5B15amorphous wire with helical induced anisotropy. *Journal Physics D: Applied Physics*, **1999**, 32, 3140-3145	3	55

510	Tailoring the High-Frequency Giant Magnetoimpedance Effect of Amorphous Co-Rich Microwires. *IEEE Magnetics Letters*, **2015**, 6, 1-4	1.6	54
509	Magnetic properties and GMI of soft melt-extracted magnetic amorphous fibers. *Sensors and Actuators A: Physical*, **2003**, 106, 225-229	3.9	54
508	The remagnetization process of bistable amorphous alloys. *Materials & Design*, **1993**, 14, 299-306		52
507	Effect of tensile and torsion on GMI in amorphous wire. *Journal of Magnetism and Magnetic Materials*, **1999**, 196-197, 377-379	2.8	51
506	Tailoring of magnetoimpedance effect and magnetic softness of Fe-rich glass-coated microwires by stress- annealing. *Scientific Reports*, **2018**, 8, 3202	4.9	50
505	Magnetoimpedance sensitive to dc bias current in amorphous microwires. *Applied Physics Letters*, **2010**, 97, 252507	3.4	50
504	Frequency dependence of coercivity in rapidly quenched amorphous materials. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **1997**, 226-228, 753-756	5.3	50
503	Switching-field distribution in amorphous magnetic bistable microwires. *Physical Review B*, **2004**, 70,	3.3	50
502	Correlation of Crystalline Structure with Magnetic and Transport Properties of Glass-Coated Microwires. *Crystals*, **2017**, 7, 41	2.3	49
501	Correlation between magnetic and mechanical properties of devitrified glass-coated Fe71.8Cu1Nb3.1Si15B9.1 microwires. *Journal of Magnetism and Magnetic Materials*, **2002**, 249, 79-84	2.8	49
500	Engineering of magnetic softness and giant magnetoimpedance effect in Fe-rich microwires by stress-annealing. *Scripta Materialia*, **2018**, 142, 10-14	5.6	47
499	Domain walls and magnetization reversal process in soft magnetic nanowires and nanotubes. *Journal of Magnetism and Magnetic Materials*, **2007**, 316, 255-261	2.8	47
498	Asymmetric torsion stress giant magnetoimpedance in nearly zero magnetostrictive amorphous wires. *Journal of Applied Physics*, **2000**, 87, 4813-4815	2.5	47
497	Domain wall propagation in Fe-rich amorphous microwires. *Physica B: Condensed Matter*, **2012**, 407, 1442-1445	2.8	45
496	Local nucleation fields of Fe-rich microwires and their dependence on applied stresses. *Physica B: Condensed Matter*, **2008**, 403, 379-381	2.8	44
495	Temperature dependence of the switching field and its distribution function in Fe-based bistable microwires. *Applied Physics Letters*, **2003**, 83, 2620-2622	3.4	44
494	Advances in Giant Magnetoimpedance of Materials. *Handbook of Magnetic Materials*, **2015**, 24, 139-236	1.3	43
493	Effect of AC driving current on magneto-impedance effect. *Sensors and Actuators A: Physical*, **2000**, 81, 86-90	3.9	43

492	Novel magnetic microwires-embedded composites for structural health monitoring applications. *Journal of Applied Physics*, **2010**, 107, 09A314	2.5	41
491	The stress dependence of the switching field in glass-coated amorphous microwires. *Journal Physics D: Applied Physics*, **1998**, 31, 3040-3045	3	41
490	Magnetic field effects in artificial dielectrics with arrays of magnetic wires at microwaves. *Journal of Applied Physics*, **2011**, 109, 053901	2.5	40
489	Interaction between Fe-rich ferromagnetic glass-coated microwires. *Journal of Magnetism and Magnetic Materials*, **2002**, 249, 99-103	2.8	39
488	Possibilities of Measuring Stress and Health Monitoring in Materials Using Contact-Less Sensor Based on Magnetic Microwires. *IEEE Transactions on Magnetics*, **2013**, 49, 128-131	2	38
487	Tailoring of magnetic anisotropy of Fe-rich microwires by stress induced anisotropy. *Physica B: Condensed Matter*, **2006**, 384, 1-4	2.8	38
486	Magnetoresistance in thin wires with granular structure. *Journal of Magnetism and Magnetic Materials*, **2005**, 294, 165-173	2.8	38
485	Fe-based ferromagnetic microwires enabled meta-composites. *Applied Physics Letters*, **2013**, 103, 251902	3.4	37
484	Recent advances in studies of magnetically soft amorphous microwires. *Journal of Magnetism and Magnetic Materials*, **2009**, 321, 822-825	2.8	37
483	Direct measurements of field-induced adiabatic temperature changes near compound phase transitions in Ni□Mn□ based Heusler alloys. *Applied Physics Letters*, **2011**, 98, 131911	3.4	37
482	Ferromagnetic glass-coated microwires with good heating properties for magnetic hyperthermia. *Scientific Reports*, **2016**, 6, 39300	4.9	36
481	Effect of stress annealing on magnetic properties and GMI effect of Co- and Fe-rich microwires. *Journal of Alloys and Compounds*, **2017**, 707, 189-194	5.7	34
480	Correlation of surface domain structure and magneto-impedance in amorphous microwires. *Journal of Applied Physics*, **2011**, 109, 113924	2.5	34
479	Giant magneto-impedance effect in CoMnSiB amorphous microwires. *Journal of Magnetism and Magnetic Materials*, **2001**, 234, 359-365	2.8	34
478	Tunable and Self-Sensing Microwave Composite Materials Incorporating Ferromagnetic Microwires. *Advances in Science and Technology*, **2008**, 54, 201-210	0.1	33
477	Skin-effect and circumferential permeability in micro-wires utilized in GMI-sensors. *Sensors and Actuators A: Physical*, **2005**, 119, 384-389	3.9	33
476	Magnetostriction investigation of soft magnetic microwires. *Physica Status Solidi (A) Applications and Materials Science*, **2016**, 213, 363-367	1.6	31
475	Optimization of the giant magnetoimpedance effect of Finemet-type microwires through the nanocrystallization. *Journal of Applied Physics*, **2014**, 115, 17A313	2.5	31

474	Determination of the normal and anomalous hall effect coefficients in ferromagnetic Ni50Mn35In15 □x Si x Heusler alloys at the martensitic transformation. *Journal of Experimental and Theoretical Physics*, **2012**, 115, 805-814	1	31
473	Magnetization switching in ferromagnetic microwires. *Physical Review B*, **2010**, 82,	3.3	31
472	Switching field fluctuations in a glass-coated Fe-rich amorphous microwire. *Journal of Magnetism and Magnetic Materials*, **2002**, 249, 131-135	2.8	31
471	Engineering of magnetic properties of Co-rich microwires by joule heating. *Intermetallics*, **2019**, 105, 92-98	3.5	31
470	Giant magnetoimpedance in rapidly quenched materials. *Journal of Alloys and Compounds*, **2020**, 814, 152225	5.7	31
469	Grading the magnetic anisotropy and engineering the domain wall dynamics in Fe-rich microwires by stress-annealing. *Acta Materialia*, **2018**, 155, 279-285	8.4	30
468	An embedded stress sensor for concrete SHM based on amorphous ferromagnetic microwires. *Sensors*, **2014**, 14, 19963-78	3.8	30
467	Glass-coated Co-rich amorphous microwires with enhanced permeability. *Sensors and Actuators A: Physical*, **2000**, 81, 227-231	3.9	30
466	Effect of composite origin on magnetic properties of glass-coated microwires. *Intermetallics*, **2014**, 44, 88-93	3.5	29
465	Asymmetric torsion giant impedance in nearly-zero magnetostrictive amorphous wires with induced helical anisotropy. *Journal Physics D: Applied Physics*, **2001**, 34, L31-L34	3	29
464	Coercivity of glass-coated Fe73.4-xCu1Nb3.1Si13.4+xB9.1 (0⊠1.6) microwires. *Scripta Materialia*, **1999**, 11, 1319-1327		29
463	Temperature Dependences of the Nuclear Quadrupole Resonance Spectra of As75 in KH2AsO4, RbH2AsO4, CsH2AsO4, NH4H2AsO4, and of their Deuterated Analogues. *Physica Status Solidi (B): Basic Research*, **1968**, 27, K129-K132	1.3	29
462	Magnetocaloric effect in nanogranular glass coated microwires. *Physica Status Solidi (A) Applications and Materials Science*, **2008**, 205, 1378-1381	1.6	28
461	Fast magnetization switching in Fe-rich amorphous microwires: Effect of magnetoelastic anisotropy and role of defects. *Journal of Alloys and Compounds*, **2014**, 586, S287-S290	5.7	27
460	Tailoring of domain wall dynamics in amorphous microwires by annealing. *Journal of Applied Physics* , **2013**, 113, 17A318	2.5	27
459	Effect of tensile stresses on GMI of Co-rich amorphous microwires. *IEEE Transactions on Magnetics*, **2005**, 41, 3688-3690	2	27
458	Effect of annealing on magnetic properties and magnetostriction coefficient of Fe□Ni-based amorphous microwires. *Journal of Alloys and Compounds*, **2015**, 651, 718-723	5.7	26
457	AC-current-induced magnetization switching in amorphous microwires. *Frontiers of Physics*, **2018**, 13, 1	3.7	26

456	Engineering of magnetic properties and GMI effect in Co-rich amorphous microwires. *Journal of Alloys and Compounds*, **2016**, 664, 235-241	5.7	26
455	Development of Magnetic Microwires for Magnetic Sensor Applications. *Sensors*, **2019**, 19,	3.8	26
454	Magnetic and transport properties of granular and Heusler-type glass-coated microwires. *Journal of Magnetism and Magnetic Materials*, **2012**, 324, 3558-3562	2.8	26
453	Microwave metamaterials with ferromagnetic microwires. *Applied Physics A: Materials Science and Processing*, **2011**, 103, 653-657	2.6	26
452	Magnetic Properties and MCE in Heusler-Type Glass-Coated Microwires. *Journal of Superconductivity and Novel Magnetism*, **2013**, 26, 1415-1419	1.5	25
451	Metacomposite characteristics and their influential factors of polymer composites containing orthogonal ferromagnetic microwire arrays. *Journal of Applied Physics*, **2014**, 115, 173909	2.5	25
450	Soft magnetic microwires for sensor applications. *Journal of Magnetism and Magnetic Materials*, **2020**, 498, 166180	2.8	25
449	Effects of wire properties on the field-tunable behaviour of continuous-microwire composites. *Sensors and Actuators A: Physical*, **2012**, 178, 118-125	3.9	24
448	The effect of mechanical stress on Ni63.8Mn11.1Ga25.1 microwire crystalline structure and properties. *Intermetallics*, **2013**, 43, 60-64	3.5	24
447	Effect of stress applied on the magnetization profile of FeSiB amorphous wire. *Journal of Applied Physics*, **2003**, 93, 7208-7210	2.5	24
446	Magnetoelastic sensor of liquid level based on magnetoelastic properties of Co-rich microwires. *Sensors and Actuators A: Physical*, **2000**, 81, 129-133	3.9	24
445	Smart composites with embedded magnetic microwire inclusions allowing non-contact stresses and temperature monitoring. *Composites Part A: Applied Science and Manufacturing*, **2019**, 120, 12-20	8.4	23
444	Domain wall dynamics during the devitrification of Fe73.5CuNb3Si11.5B11 magnetic microwires. *Physical Review B*, **2010**, 82,	3.3	23
443	Magnetization reversal of Co-rich wires in circular magnetic field. *Journal of Applied Physics*, **2002**, 91, 537	2.5	23
442	Studies of Interfacial Layer and Its Effect on Magnetic Properties of Glass-Coated Microwires. *Journal of Electronic Materials*, **2016**, 45, 2381-2387	1.9	23
441	Engineering of Magnetic Softness and Domain Wall Dynamics of Fe-rich Amorphous Microwires by Stress- induced Magnetic Anisotropy. *Scientific Reports*, **2019**, 9, 12427	4.9	22
440	The defects influence on domain wall propagation in bistable glass-coated microwires. *Physica B: Condensed Matter*, **2012**, 407, 1446-1449	2.8	22
439	Manipulation of domain wall dynamics in amorphous microwires through domain wall collision. *Journal of Applied Physics*, **2013**, 114, 043910	2.5	22

438	Effect of Nanocrystallization on Magnetic Properties and GMI Effect of Fe-rich Microwires. *Journal of Electronic Materials*, **2014**, 43, 4540-4547	1.9	22
437	The comparison of direct and indirect methods for determining the magnetocaloric parameters in the Heusler alloy Ni50Mn34.8In14.2B. *Applied Physics Letters*, **2012**, 100, 192402	3.4	22
436	Off-diagonal magneto-impedance in amorphous microwires with diameter 6–10 μm and application to linear magnetic sensors. *Physica Status Solidi (A) Applications and Materials Science*, **2008**, 205, 1779-1782	1.6	22
435	Studies of magnetic properties of thin microwires with low Curie temperature. *Journal of Magnetism and Magnetic Materials*, **2006**, 300, 16-23	2.8	22
434	Temperature dependence of magnetization reversal in magnetostrictive glass-coated amorphous microwires. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2004**, 375-377, 1145-1148	5.3	22
433	Fast Magnetization Switching in Thin Wires: Magnetoelastic and Defects Contributions. *Sensor Letters*, **2013**, 11, 170-176	0.9	22
432	Magnetoimpedance hysteresis in amorphous microwires induced by core–shell interaction. *Applied Physics Letters*, **2014**, 105, 122401	3.4	21
431	Tailoring of Magnetic Properties of Magnetostatically-Coupled Glass-Covered Magnetic Microwires. *Journal of Superconductivity and Novel Magnetism*, **2011**, 24, 541-547	1.5	21
430	Coercivity and induced magnetic anisotropy by stress and/or field annealing in Fe- and Co- based (Finemet-type) amorphous alloys. *Journal of Magnetism and Magnetic Materials*, **2005**, 294, 245-251	2.8	21
429	Current controlled switching of impedance in magnetic conductor with tilted anisotropy easy axis and its applications. *Scientific Reports*, **2016**, 6, 36180	4.9	20
428	Influence of the defects on magnetic properties of glass-coated microwires. *Journal of Applied Physics*, **2014**, 115, 17A305	2.5	20
427	Direct observation of giant Barkhausen jumps in magnetic microwires. *Applied Physics Letters*, **2010**, 97, 012502	3.4	20
426	Vortex-type domain structure in Co-rich amorphous wires. *Journal of Applied Physics*, **2004**, 95, 2933-2935	2.5	20
425	Studies of the magnetostriction of as-prepared and annealed glass-coated Co-rich amorphous microwires by SAMR method. *Journal Physics D: Applied Physics*, **2001**, 34, L113-L116	3	20
424	Non-contact method for stress monitoring based on stress dependence of magnetic properties of Fe-based microwires. *Journal of Alloys and Compounds*, **2018**, 748, 199-205	5.7	19
423	Magnetic ordering in arrays of one-dimensional nanoparticle chains. *Journal Physics D: Applied Physics*, **2009**, 42, 215003	3	19
422	Development of ultra-thin glass-coated amorphous microwires for HF magnetic sensor applications. *Physica Status Solidi (A) Applications and Materials Science*, **2008**, 205, 1367-1372	1.6	19
421	DSC studies of finemet-type glass-coated microwires. *Journal of Magnetism and Magnetic Materials*, **2002**, 249, 108-112	2.8	19

420	Circular magnetic bistability induced by tensile stress in glass-covered amorphous microwires. *Applied Physics Letters*, **2003**, 82, 610-612	3.4	19
419	Engineering of Magnetic Softness and Magnetoimpedance in Fe-Rich Microwires by Nanocrystallization. *Jom*, **2016**, 68, 1563-1571	2.1	19
418	Microwires enabled metacomposites towards microwave applications. *Journal of Magnetism and Magnetic Materials*, **2016**, 416, 299-308	2.8	19
417	Correlation between thermal and magnetic properties of glass coated microwires. *Journal of Alloys and Compounds*, **2014**, 615, S242-S246	5.7	18
416	Effect of nanocrystallization on giant magnetoimpedance effect of Fe-based microwires. *Intermetallics*, **2014**, 51, 59-63	3.5	18
415	Magnetocaloric effect in dipolar chains of magnetic nanoparticles with collinear anisotropy axes. *Physical Review B*, **2009**, 80,	3.3	18
414	Studies of magnetic properties and giant magnetoimpedance effect in ultrathin magnetically soft amorphous microwires. *Journal of Applied Physics*, **2008**, 103, 07E714	2.5	18
413	Kerr-effect based Sixtus-Tonks experiment for measuring the single domain wall dynamics. *Journal of Applied Physics*, **2008**, 103, 07E707	2.5	18
412	Development of thin microwires with low Curie temperature for temperature sensors applications. *Sensors and Actuators B: Chemical*, **2007**, 126, 318-323	8.5	18
411	Studies of structural and magnetic properties of glass-coated nanocrystalline Fe79Hf7B12Si2 microwires. *Journal of Alloys and Compounds*, **2006**, 423, 116-119	5.7	18
410	Evaluation of the saturation magnetostriction in nearly zero magnetostrictive glass-coated amorphous microwires. *Journal of Applied Physics*, **2000**, 87, 5950-5952	2.5	18
409	Glass-coated ferromagnetic microwire-induced magnetic hyperthermia for in vitro cancer cell treatment. *Materials Science and Engineering C*, **2020**, 106, 110261	8.3	18
408	Inverse magnetocaloric effects in metamagnetic Ni-Mn-In-based alloys in high magnetic fields. *Journal of Alloys and Compounds*, **2017**, 695, 3348-3352	5.7	17
407	Investigation of the magnetostriction coefficient of amorphous ferromagnetic glass coated microwires. *Journal of Applied Physics*, **2014**, 116, 173904	2.5	17
406	Magnetoelastic contribution in domain wall dynamics of amorphous microwires. *Physica B: Condensed Matter*, **2012**, 407, 1450-1454	2.8	17
405	Manipulating the magnetoimpedance by dc bias current in amorphous microwire. *Journal of Magnetism and Magnetic Materials*, **2012**, 324, 4078-4083	2.8	17
404	Stress tunable properties of ferromagnetic microwires and their multifunctional composites. *Journal of Applied Physics*, **2011**, 109, 07A310	2.5	17
403	Hall effect in a martensitic transformation in Ni-Co-Mn-In Heusler alloys. *JETP Letters*, **2010**, 92, 666-670	1.2	17

402	Phase transitions, magnetotransport and magnetocaloric effects in a new family of quaternary Ni-Mn-In-Z Heusler alloys. *Journal of Nanoscience and Nanotechnology*, **2012**, 12, 7426-31	1.3	17
401	Relation between surface magnetization reversal and magnetoimpedance in Co-rich amorphous microwires. *Journal of Applied Physics*, **2008**, 103, 07E742	2.5	17
400	Magnetostriction of glass-coated Co-rich amorphous microwires and its dependence on current annealing. *Journal of Magnetism and Magnetic Materials*, **2003**, 254-255, 94-96	2.8	17
399	Sensitive magnetoelastic properties of amorphous ribbon for magnetoelastic sensors. *Journal of Magnetism and Magnetic Materials*, **2000**, 215-216, 743-745	2.8	17
398	High coercivity of partially devitrified glass-coated finemet microwires: effect of geometry and thermal treatment. *IEEE Transactions on Magnetics*, **2000**, 36, 3015-3017	2	17
397	Stress dependence of the magnetic properties of glass-coated amorphous microwires. *Journal of Alloys and Compounds*, **2019**, 789, 201-208	5.7	16
396	Cylindrical micro and nanowires: Fabrication, properties and applications. *Journal of Magnetism and Magnetic Materials*, **2020**, 513, 167074	2.8	16
395	Optimization of magnetic properties and GMI effect of Thin Co-rich Microwires for GMI Microsensors. *Sensors*, **2020**, 20,	3.8	16
394	Magnetic and structural properties of glass-coated Heusler-type microwires exhibiting martensitic transformation. *Scientific Reports*, **2018**, 8, 621	4.9	16
393	Magneto-resistance, magneto-reactance, and magneto-impedance effects in single and multi-wire systems. *Journal of Alloys and Compounds*, **2013**, 549, 295-302	5.7	16
392	Engineering of domain wall dynamics in amorphous microwires by annealing. *Journal of Alloys and Compounds*, **2017**, 707, 35-40	5.7	16
391	Influence of the magnetoelastic anisotropy on the domain wall dynamics in bistable amorphous wires. *Journal of Physics Condensed Matter*, **2012**, 24, 296003	1.8	16
390	On different tag reader architectures for bistable microwires. *Sensors and Actuators A: Physical*, **2011**, 166, 133-140	3.9	16
389	Internal stress influence on FMR in amorphous glass-coated microwires. *Journal of Magnetism and Magnetic Materials*, **2007**, 316, e890-e892	2.8	16
388	Route of magnetoimpedance and domain walls dynamics optimization in Co-based microwires. *Journal of Alloys and Compounds*, **2020**, 830, 154576	5.7	15
387	Tailoring of magnetic properties of Heusler-type glass-coated microwires by annealing. *Journal of Alloys and Compounds*, **2018**, 732, 561-566	5.7	15
386	Magnetic properties of Ni-Mn-In-Co Heusler-type glass-coated microwires. *Journal of Applied Physics*, **2014**, 115, 17A939	2.5	15
385	Tuning of Magnetic Properties and GMI Effect of Co-Based Amorphous Microwires by Annealing. *Journal of Electronic Materials*, **2014**, 43, 4532-4539	1.9	15

384	From Manipulation of Giant Magnetoimpedance in Thin Wires to Industrial Applications. *Journal of Superconductivity and Novel Magnetism*, **2013**, 26, 1045-1054	1.5	15
383	Development of Thin Microwires With Enhanced Magnetic Softness and GMI. *IEEE Transactions on Magnetics*, **2008**, 44, 3958-3961	2	15
382	Domain-wall dynamics in glass-coated magnetic microwires. *Journal of Magnetism and Magnetic Materials*, **2007**, 316, 337-339	2.8	15
381	Domain wall propagation in Fe-rich microwires. *Physica B: Condensed Matter*, **2008**, 403, 382-385	2.8	15
380	Asymmetrical magneto-impedance effect in Fe-rich amorphous wires. *Journal of Applied Physics*, **2004**, 95, 6756-6758	2.5	15
379	Engineering of magnetic properties and magnetoimpedance effect in Fe-rich microwires by reversible and irreversible stress-annealing anisotropy. *Journal of Alloys and Compounds*, **2021**, 855, 157460	5.7	15
378	Spiral magnetic domain structure in cylindrically-shaped microwires. *Scientific Reports*, **2018**, 8, 15090	4.9	15
377	Continuous control of a resistance in Co-rich amorphous ferromagnetic microwires during DC Joule heating. *Intermetallics*, **2018**, 99, 39-43	3.5	15
376	Magnetic, Magnetocaloric, Magnetotransport, and Magneto-optical Properties of NiMnIn-Based Heusler Alloys: Bulk, Ribbons, and Microwires. *Springer Series in Materials Science*, **2016**, 41-82	0.9	14
375	The Magnetocaloric Effect of Heusler Microwires in Low and High Magnetic Fields. *IEEE Transactions on Magnetics*, **2013**, 49, 54-57	2	14
374	Magnetic Properties of Heusler-Type Microwires and Thin Films. *IEEE Transactions on Magnetics*, **2014**, 50, 1-4	2	14
373	Expanding the longitudinal magnetoimpedance sensor range by direct bias current. *Journal of Applied Physics*, **2013**, 113, 203902	2.5	14
372	Magnetoimpedance dependence on width in Co66.5Fe3.5Si12.0B18.0 amorphous alloy ribbons. *Journal of Applied Physics*, **2013**, 113, 053905	2.5	14
371	. *IEEE Transactions on Magnetics*, **2011**, 47, 4481-4484	2	14
370	Domain-wall dynamics in bistable magnetic microwires. *Physica Status Solidi (A) Applications and Materials Science*, **2009**, 206, 608-612	1.6	14
369	Effect of annealing under torsion stress on the field dependence of the impedance tensor in amorphous wires. *Journal of Magnetism and Magnetic Materials*, **2002**, 249, 324-329	2.8	14
368	Magneto-optical investigation of the magnetization reversal in Co-rich wires. *Physica B: Condensed Matter*, **2001**, 299, 314-321	2.8	14
367	Effect of stress-induced anisotropy on high frequency magnetoimpedance effect of Fe and Co-rich glass-coated microwires. *Journal of Alloys and Compounds*, **2018**, 735, 1818-1825	5.7	13

366	Internal stress induced texture in Ni-Mn-Ga based glass-covered microwires. *Journal of Applied Physics*, **2013**, 114, 123914	2.5	13
365	Giant magnetoimpedance effect and domain wall dynamics in Co-rich amorphous microwires. *Journal of Applied Physics*, **2015**, 117, 043904	2.5	13
364	Magnetostatic interaction of glass-coated magnetic microwires. *Journal of Applied Physics*, **2010**, 108, 016103	2.5	13
363	Measurements of stray magnetic fields of amorphous microwires using scanning microscope based on superconducting quantum interference device. *Journal of Magnetism and Magnetic Materials*, **2007**, 316, 188-191	2.8	13
362	Fabrication and magnetic properties of Cu50(Fe69Si10B16C5)50 thin microwires. *Journal of Non-Crystalline Solids*, **2007**, 353, 922-924	3.9	13
361	Dynamics of interacting wires. *Journal of Magnetism and Magnetic Materials*, **2002**, 249, 9-15	2.8	13
360	Circular magnetic bistability in Co-rich amorphous microwires. *Journal Physics D: Applied Physics*, **2003**, 36, 419-422	3	13
359	Magneto-optical investigation of high-frequency electric current influence on surface magnetization reversal in Co-rich amorphous microwires. *Journal of Applied Physics*, **2005**, 97, 073912	2.5	13
358	Structural study of glass coated Cu-based microwires. *Physica B: Condensed Matter*, **2001**, 299, 242-250	2.8	13
357	Influence of Nanocrystalline Structure on the Magnetic Properties of Wires and Microwires. *Textures and Microstructures*, **1999**, 32, 245-267		13
356	Temperature dependence of the off-diagonal magnetoimpedance in sensor configuration utilizing Co-rich amorphous wires. *Physica Status Solidi (A) Applications and Materials Science*, **2016**, 213, 372-376	1.6	13
355	Control of the domain wall motion in cylindrical magnetic wires. *Applied Physics Letters*, **2016**, 109, 052405	3.4	13
354	Magnetorefractive effect in manganites with a colossal magnetoresistance in the visible spectral region. *Journal of Experimental and Theoretical Physics*, **2012**, 114, 141-149	1	12
353	Giant magnetoresistance of granular microwires: Spin-dependent scattering in integranular spacers. *Physics of the Solid State*, **2011**, 53, 320-322	0.8	12
352	Kerr Microscopy Study of Magnetic Domain Structure Changes in Amorphous Microwires. *IEEE Transactions on Magnetics*, **2009**, 45, 4279-4281	2	12
351	Nucleation field of a soft magnetic nanotube with uniaxial anisotropy. *Journal of Applied Physics*, **2008**, 104, 083902	2.5	12
350	Temperature Dependence of the Magnetization Reversal Process and Domain Structure in Fe $_{77.5 - {rm x}}$Ni $_{rm x}$Si $_{7.5}$B $_{15}$ Magnetic Microwires. *IEEE Transactions on Magnetics*, **2008**, 44, 3946-3949	2	12
349	Magnetostatic properties of Co-rich amorphous microwires: theory and experiment. *Physica Status Solidi (A) Applications and Materials Science*, **2008**, 205, 1800-1804	1.6	12

348	Fast domain wall dynamics in amorphous glass-coated microwires. *Journal of Magnetism and Magnetic Materials*, **2008**, 320, 2534-2537	2.8	12
347	Effect of Applied Mechanical Stressses on the Impedance Response in Amorphous Microwires with Vanishing Magnetostriction. *Physica Status Solidi A*, **2002**, 189, 599-608		12
346	Curie temperature behaviour on annealing of Finemet type amorphous alloys. *Journal of Non-Crystalline Solids*, **2003**, 329, 63-66	3.9	12
345	Effect of stress and/or field annealing on the magnetic behavior of the (Co77Si13.5B9.5)90Fe7Nb3 amorphous alloy. *Journal of Applied Physics*, **2005**, 97, 034911	2.5	12
344	Glass coated microwires with enhanced coercivity. *Journal of Magnetism and Magnetic Materials*, **1999**, 203, 54-56	2.8	12
343	Frequency dependence of GMI effect in nanocrystalline Fe86Zr7B6Cu1 ribbons. *Journal of Magnetism and Magnetic Materials*, **1999**, 203, 292-294	2.8	12
342	Review of Domain Wall Dynamics Engineering in Magnetic Microwires. *Nanomaterials*, **2020**, 10,	5.4	12
341	The effect of annealing on magnetic properties of thick microwires. *Journal of Alloys and Compounds*, **2020**, 831, 150992	5.7	12
340	Investigation of the properties of Co-rich amorphous ferromagnetic microwires by means of small angle magnetization rotation method. *Journal of Magnetism and Magnetic Materials*, **2015**, 387, 53-57	2.8	11
339	Optimization of Magnetic Properties and Giant Magnetoimpedance Effect in Nanocrystalline Microwires. *Journal of Superconductivity and Novel Magnetism*, **2015**, 28, 813-822	1.5	11
338	Magnetic properties and domain wall propagation in FeNiSiB glass-coated microwires. *Journal of Applied Physics*, **2014**, 115, 17A309	2.5	11
337	Circular domains nucleation in magnetic microwires. *Applied Physics Letters*, **2013**, 102, 202406	3.4	11
336	High frequency magnetoimpedance response of stress annealed Co66.3Fe3.7Si12.0B18.0 amorphous alloy ribbons. *Journal of Applied Physics*, **2013**, 114, 023904	2.5	11
335	Glass-Coated FeNiCu Microwires with High Coercivity. *Physica Status Solidi A*, **1997**, 162, R5-R6		11
334	Influence of torsion and tensile stress on magnetoimpedance effect in Fe-rich amorphous microwires at high frequencies. *Journal of Magnetism and Magnetic Materials*, **2007**, 316, e896-e899	2.8	11
333	Surface and Bulk Magnetic Hysteresis Loops of Co-Rich Glass Covered Microwires. *IEEE Transactions on Magnetics*, **2006**, 42, 3889-3892	2	11
332	Stress and/or Field Induced Magnetic Anisotropy in the Amorphous Fe73.5Cu1Nb3Si15.5B7 Alloy: Influence on the Coercivity, Saturation Magnetostriction and Magneto-Impedance Response. *Physica Status Solidi A*, **2002**, 194, 291-303		11
331	Magneto-optical investigation of magnetization reversal in nearly zero magnetostrictive Co-rich wire and microwire. *Journal of Magnetism and Magnetic Materials*, **2002**, 249, 27-33	2.8	11

330	Temperature dependence of remagnetization process in bistable magnetic microwires. *Journal of Non-Crystalline Solids*, **2003**, 329, 123-130	3.9	11
329	Surface and volume hysteresis loops of Fe-rich glass-coated microwires. *Journal of Non-Crystalline Solids*, **2001**, 287, 374-379	3.9	11
328	Giant magnetoimpedance of glass-covered amorphous microwires of $Co_{67}Mn_5Si_{15}B_{13}$ and $Co_5Si_{15}B_{80}$. *Journal of Applied Physics*, **1999**, 85, 4445-4447	2.5	11
327	Axial and transverse magnetization processes of glass-coated amorphous microwires. *Journal of Magnetism and Magnetic Materials*, **1996**, 157-158, 143-144	2.8	11
326	Effect of Interaction on Giant Magnetoimpedance Effect in a System of Few Thin Wires. *Sensor Letters*, **2007**, 5, 10-12	0.9	11
325	Heating influence on magnetic structure in Co and Fe rich amorphous microwires. *Journal of Magnetism and Magnetic Materials*, **2016**, 400, 356-360	2.8	10
324	Effect of annealing on magnetic properties and structure of Fe-Ni based magnetic microwires. *Journal of Magnetism and Magnetic Materials*, **2017**, 433, 278-284	2.8	10
323	Control of reversible magnetization switching by pulsed circular magnetic field in glass-coated amorphous microwires. *Applied Physics Letters*, **2018**, 112, 072407	3.4	10
322	Effect of annealing on magnetic properties of nanocrystalline Hitperm-type glass-coated microwires. *Journal of Alloys and Compounds*, **2016**, 660, 297-303	5.7	10
321	Experimental demonstration of basic mechanisms of magnetization reversal in magnetic microwires. *Physica B: Condensed Matter*, **2014**, 435, 125-128	2.8	10
320	Controlling the Domain Wall Dynamics by Induced Anisotropies. *IEEE Transactions on Magnetics*, **2012**, 48, 1266-1268	2	10
319	Correlation between the magnetostriction constant and thermal properties of soft magnetic microwires. *Physica Status Solidi (A) Applications and Materials Science*, **2014**, 211, 1083-1086	1.6	10
318	Tunable effective permittivity of composites based on ferromagnetic microwires with high magneto-impedance effect. *Applied Physics A: Materials Science and Processing*, **2011**, 103, 693-697	2.6	10
317	Influence of AC magnetic field amplitude on the surface magnetoimpedance tensor in amorphous wire with helical magnetic anisotropy. *IEEE Transactions on Magnetics*, **2004**, 40, 3368-3377	2	10
316	Kerr Effect as Method of Investigation of Magnetization Reversal in Amorphous Wires. *Physica Status Solidi A*, **2002**, 189, 625-629		10
315	Length effect in a negative magnetostrictive $Co_5Si_{15}B_{80}$ amorphous wire with rectangular hysteresis loop. *Journal of Magnetism and Magnetic Materials*, **2003**, 254-255, 182-184	2.8	10
314	Effect of applied stress on remagnetization and magnetization profile of $Co_5Si_{15}B_{80}$ amorphous wire. *Journal of Magnetism and Magnetic Materials*, **2003**, 258-259, 189-191	2.8	10
313	Matteucci effect in glass coated microwires. *IEEE Transactions on Magnetics*, **1999**, 35, 3382-3384	2	10

312	Magnetic Properties and Domain Wall Propagation in Micrometric Amorphous Microwires. *Sensor Letters*, **2013**, 11, 187-190	0.9	10
311	Probing the electronic structure of NiMnInSi based Heusler alloys thin films using magneto-optical spectra in martensitic and austenitic phases. *Journal of Magnetism and Magnetic Materials*, **2017**, 432, 455-460	2.8	9
310	Torsion induced acceleration of domain wall motion in magnetic microwires. *Journal of Magnetism and Magnetic Materials*, **2019**, 489, 165420	2.8	9
309	Optimization of Soft Magnetic Properties in Nanocrystalline Fe-Rich Glass-Coated Microwires. *Jom*, **2015**, 67, 2108-2116	2.1	9
308	Routes for optimization of giant magnetoimpedance effect in magnetic microwires. *IEEE Instrumentation and Measurement Magazine*, **2020**, 23, 56-63	1.4	9
307	Optimization of high frequency magnetoimpedance effect of Fe-rich microwires by stress-annealing. *Intermetallics*, **2018**, 94, 92-98	3.5	9
306	Simultaneous Detection of Giant Magnetoimpedance and Fast Domain Wall Propagation in Co-Based Glass-Coated Microwires. *IEEE Magnetics Letters*, **2016**, 7, 1-4	1.6	9
305	Preparation and Characterization of Fe-Pt and Fe-Pt-(B, Si) Microwires. *IEEE Magnetics Letters*, **2016**, 7, 1-4	1.6	9
304	Magnetic properties of sub-micrometric Fe-rich wires. *Thin Solid Films*, **2013**, 543, 130-132	2.2	9
303	First-order martensitic transformation in Heusler-type glass-coated microwires. *Applied Physics Letters*, **2017**, 111, 242403	3.4	9
302	Basic study of magnetic microwires for sensor applications: Variety of magnetic structures. *Journal of Magnetism and Magnetic Materials*, **2017**, 422, 299-303	2.8	9
301	Studies of High-Frequency Giant Magnetoimpedance Effect in Co-Rich Amorphous Microwires. *IEEE Transactions on Magnetics*, **2015**, 51, 1-4	2	9
300	Transformation of magnetic structure in amorphous microwires induced by temperature and high frequency magnetic field. *Journal of Alloys and Compounds*, **2015**, 632, 520-527	5.7	9
299	Magnetocaloric effect in single crystal Nd2Co7. *Journal of Applied Physics*, **2011**, 109, 083932	2.5	9
298	Role of Defects on Domain Wall Propagation in Magnetically Bistable Glass-Covered Microwires. *Journal of Superconductivity and Novel Magnetism*, **2011**, 24, 851-854	1.5	9
297	Surface magnetization reversal and magnetic domain structure in amorphous microwires. *Physica Status Solidi (A) Applications and Materials Science*, **2011**, 208, 502-508	1.6	9
296	Effect of applied stresses on domain-wall propagation in glass-coated amorphous microwires. *Physica Status Solidi (A) Applications and Materials Science*, **2011**, 208, 545-548	1.6	9
295	Evaluation of use of magnetically bistable microwires for magnetic labels. *Physica Status Solidi (A) Applications and Materials Science*, **2011**, 208, 526-529	1.6	9

294	GMI effect in ultra-thin glass-coated Co-rich amorphous wires. *Sensors and Actuators B: Chemical*, **2007**, 126, 232-234	8.5	9
293	Transformation of surface domain structure in Co-rich amorphous wires. *Sensors and Actuators B: Chemical*, **2007**, 126, 235-239	8.5	9
292	Ribbons and micro-wires of CuCo segregated alloys. *Journal of Magnetism and Magnetic Materials*, **2008**, 320, e29-e31	2.8	9
291	Remanent Magnetization States in Soft Magnetic Nanowires. *IEEE Transactions on Magnetics*, **2006**, 42, 3063-3065	2	9
290	Distribution of switching field fluctuations in Fe-rich wires under tensile stress. *Applied Physics Letters*, **2006**, 88, 152507	3.4	9
289	Thermal activation over a complex energy barrier in bistable microwires. *Physical Review B*, **2006**, 73,	3.3	9
288	Sensitive magnetoelastic properties of glass-coated CoMnSiB amorphous microwires for magnetoelastic sensors. *Journal of Magnetism and Magnetic Materials*, **2002**, 249, 402-406	2.8	9
287	Magnetic and structural features of glass-coated Cu-based (Co,Fe,Ni,Mn□u) alloy microwires. *Journal of Magnetism and Magnetic Materials*, **2000**, 221, 196-206	2.8	9
286	Stress dependence of the switching field in Co-rich amorphous microwires. *Journal of Magnetism and Magnetic Materials*, **1999**, 196-197, 248-250	2.8	9
285	Giant magnetic anisotropy in paramagnetic Tb2 (MoO4)3. *Ferroelectrics*, **1994**, 151, 103-108	0.6	9
284	Surface defect detection of magnetic microwires by miniature rotatable robot inside SEM. *AIP Advances*, **2016**, 6, 095309	1.5	9
283	Internal stresses influence on magnetic properties of Ni-Mn-Ga Heusler-type microwires. *Intermetallics*, **2018**, 94, 42-46	3.5	8
282	Grain size refinement in nanocrystalline Hitperm-type glass-coated microwires. *Journal of Magnetism and Magnetic Materials*, **2016**, 406, 15-21	2.8	8
281	Magnetoresistance and Kondo-like behaviour in Co5Cu95 microwires. *Journal of Alloys and Compounds*, **2016**, 674, 266-271	5.7	8
280	Magnetic and transport properties of Co□u microwires with granular structure. *Thin Solid Films*, **2013**, 543, 142-147	2.2	8
279	Tailoring the Switching Field Dependence on External Parameters in Magnetic Microwires. *IEEE Transactions on Magnetics*, **2013**, 49, 30-33	2	8
278	Magneto-optical study of domain wall dynamics and giant Barkhausen jump in magnetic microwires. *Journal of Magnetism and Magnetic Materials*, **2012**, 324, 3563-3565	2.8	8
277	Magnetoelastic Contribution in Domain-Wall Dynamics of Magnetically Bistable Microwires. *IEEE Transactions on Magnetics*, **2011**, 47, 3783-3786	2	8

276	Applications of amorphous microwires in sensing technologies. *International Journal of Applied Electromagnetics and Mechanics*, **2007**, 25, 441-446	0.4	8
275	Magnetization reversal and magnetic domain structure in glass-covered Co-rich microwires in presence of tensile stress. *Journal of Magnetism and Magnetic Materials*, **2004**, 272-276, E499-E500	2.8	8
274	Effect of annealing on surface domain structure and magnetostriction of near zero magnetostrictive Co-rich wire. *Journal of Magnetism and Magnetic Materials*, **2002**, 242-245, 244-246	2.8	8
273	Tailoring of magnetic anisotropy in Fe-rich glass-coated magnetic microwires by thermo-mechanical annealing. *Sensors and Actuators A: Physical*, **2003**, 106, 96-100	3.9	8
272	A new method of ionization-neutron calorimeter for direct investigation of high-energy electrons and primary nuclei of cosmic-rays up to the knee region. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **2001**, 459, 135-156	1.2	8
271	Stress and/or field annealing of Fe73.5Cu1Nb3Si15.5B7 amorphous ribbon. *Journal of Non-Crystalline Solids*, **2001**, 287, 355-359	3.9	8
270	Domain Structure of Thick Amorphous Microwires with Nearly Zero Magnetostriction. *Materials Research Society Symposia Proceedings*, **2001**, 674, 1		8
269	Dynamic coercive field of bistable amorphous FeSiB wires. *Journal Physics D: Applied Physics*, **1998**, 31, 494-497	3	8
268	Magnetoelastic sensor for signature identification based on mechanomagnetic effect in amorphous wires. *European Physical Journal Special Topics*, **1998**, 08, Pr2-763-Pr2-766		8
267	Low temperature magnetization and resistivity measurements in Co based soft magnetic microwires. *Journal of Magnetism and Magnetic Materials*, **1999**, 196-197, 821-823	2.8	8
266	Electronic Surveillance and Security Applications of Magnetic Microwires. *Chemosensors*, **2021**, 9, 100	4	8
265	Engineering of the GMR Effect in CuCo Microwires with Granular Structure. *Journal of Electronic Materials*, **2016**, 45, 2401-2406	1.9	8
264	Magnetoimpedance Response and Field Sensitivity in Stress-Annealed Co-Based Microwires for Sensor Applications. *Sensors*, **2020**, 20,	3.8	7
263	The impact of bending stress on magnetic properties of Finemet type microwires and ribbons. *Journal of Alloys and Compounds*, **2018**, 743, 388-393	5.7	7
262	Monocrystalline Heusler Co2FeSi alloy glass-coated microwires: Fabrication and magneto-structural characterization. *Journal of Magnetism and Magnetic Materials*, **2018**, 453, 96-100	2.8	7
261	Magnetic Properties of NdFeB Alloys Obtained by Gas Atomization Technique. *IEEE Transactions on Magnetics*, **2018**, 54, 1-5	2	7
260	Magnetoelastic Effects and Distribution of Defects in Micrometric Amorphous Wires. *IEEE Transactions on Magnetics*, **2012**, 48, 1324-1326	2	7
259	Effect of magnetoelastic anisotropy on properties of Finemet-type microwires. *Journal of Alloys and Compounds*, **2012**, 536, S291-S295	5.7	7

258	Magnetocaloric effect and spin reorientation transition in single-crystal Er2(Co0.4Fe0.6)17. *Journal of Applied Physics*, **2009**, 105, 07A918	2.5	7
257	Microwave Metamaterials Containing Magnetically Soft Microwires. *Materials Research Society Symposia Proceedings*, **2011**, 1312, 1		7
256	Magnetic and Magnetoelectric Properties of Rare Earth Molybdates. *Research Letters in Physics*, **2012**, 2012, 1-22		7
255	Spectral properties of electromotive force induced by periodic magnetization reversal of arrays of coupled magnetic glass-covered microwires. *Journal of Applied Physics*, **2012**, 111, 07E735	2.5	7
254	Effect of Mn, Sn, and Cr additions on the magnetic properties of the amorphous glass-covered wires from the Fe-Si-B system. *IEEE Transactions on Magnetics*, **1997**, 33, 3346-3348	2	7
253	Single domain wall dynamics in thin magnetic wires. *Journal of Non-Crystalline Solids*, **2008**, 354, 5101-5103	3.9	7
252	Effect of magnetic field frequency on coercivity behavior of nanocrystalline Fe79Hf7B12Si2 glass-coated microwires. *Physica B: Condensed Matter*, **2008**, 403, 286-288	2.8	7
251	Magnetization processes in thin magnetic wires. *Journal of Magnetism and Magnetic Materials*, **2006**, 300, e305-e310	2.8	7
250	Torsion and tension stress induced transformation of surface magnetic structure in Co-rich amorphous microwires. *Journal of Non-Crystalline Solids*, **2007**, 353, 935-937	3.9	7
249	Switching field fluctuations in bitable microwires. *Physica B: Condensed Matter*, **2004**, 343, 403-409	2.8	7
248	Surface magnetic behavior of nearly zero magnetostrictive Co-rich amorphous microwires. *Journal of Magnetism and Magnetic Materials*, **2003**, 258-259, 177-182	2.8	7
247	Processing of magnetic properties of nearly zero magnetostrictive glass-coated microwires by current annealing. *IEEE Transactions on Magnetics*, **2003**, 39, 3613-3615	2	7
246	Air-flux magnetoelastic sensor based on inverse Wiedemann effect of amorphous ribbon. *Sensors and Actuators A: Physical*, **2003**, 106, 174-178	3.9	7
245	Tailoring GMI effect in Co-rich glass coated microwires by Joule heating. *Transactions of the Magnetics Society of Japan*, **2003**, 3, 122-125		7
244	Excellent magnetic properties of (Fe0.7Co0.3)83.7Si4B8P3.6Cu0.7 ribbons and microwires. *Intermetallics*, **2020**, 117, 106660	3.5	7
243	Soft Magnetic Amorphous Microwires for Stress and Temperature Sensory Applications. *Sensors*, **2019**, 19,	3.8	7
242	Surface magnetic properties and giant magnetoimpedance effect in Co-based amorphous ribbons. *Intermetallics*, **2017**, 86, 15-19	3.5	6
241	Stress-Induced Magnetic Anisotropy Enabling Engineering of Magnetic Softness and GMI Effect of Amorphous Microwires. *Applied Sciences (Switzerland)*, **2020**, 10, 981	2.6	6

240	Controlling the domain wall dynamics in Fe-, Ni- and Co-based magnetic microwires. *Journal of Alloys and Compounds*, **2020**, 834, 155170	5.7	6
239	Giant magnetoimpedance in thin amorphous and nanocrystalline microwires. *Applied Physics A: Materials Science and Processing*, **2014**, 115, 547-553	2.6	6
238	Manipulation of domain propagation dynamics with the magnetostatic interaction in a pair of Fe-rich amorphous microwires. *Journal of Applied Physics*, **2013**, 114, 043903	2.5	6
237	Magnetic Properties of Heusler-Type NiMnGa Glass-Coated Microwires. *IEEE Transactions on Magnetics*, **2015**, 51, 1-4	2	6
236	Investigations of local electronic transport in InAs nanowires by scanning gate microscopy at liquid helium temperatures. *JETP Letters*, **2014**, 100, 32-38	1.2	6
235	Fast Magnetization Switching in Amorphous Microwires. *Acta Physica Polonica A*, **2014**, 126, 7-11	0.6	6
234	Studies of the Defects Influence on Magnetic Properties of Glass-Coated Microwires. *IEEE Transactions on Magnetics*, **2014**, 50, 1-4	2	6
233	. *IEEE Transactions on Magnetics*, **2012**, 48, 4375-4377	2	6
232	Annealing effect on local nucleation fields in bistable microwires. *Physica Status Solidi (A) Applications and Materials Science*, **2011**, 208, 549-552	1.6	6
231	Studies of Fe-Cu microwires with nanogranular structure. *Journal of Physics Condensed Matter*, **2009**, 21, 035301	1.8	6
230	Control of domain nucleation in glass covered amorphous microwires. *Journal of Applied Physics*, **2009**, 105, 123911	2.5	6
229	Domain-wall propagation in thin Fe-rich glass-coated amorphous wires. *Physica Status Solidi (A) Applications and Materials Science*, **2009**, 206, 679-682	1.6	6
228	Influence of magnetic anisotropy and dipolar interactions on magnetocaloric effect in nanostructured materials. *Physica Status Solidi (A) Applications and Materials Science*, **2009**, 206, 2234-2239	1.6	6
227	Studies of Magnetic Properties of Amorphous Microwires Produced by Combination of by Quenching, Glass Removal and Drawing Techniques. *Key Engineering Materials*, **2011**, 495, 280-284	0.4	6
226	. *IEEE Transactions on Magnetics*, **2012**, 48, 3532-3535	2	6
225	High-frequency GMI effect in glass-coated amorphous wires. *Journal of Alloys and Compounds*, **2009**, 488, 9-12	5.7	6
224	Single-domain particle with random anisotropy. *Journal of Non-Crystalline Solids*, **2007**, 353, 796-798	3.9	6
223	Stress dependence of the domain wall potential in amorphous CoFeSiB glass-coated microwires. *Physica B: Condensed Matter*, **2006**, 372, 230-233	2.8	6

222	Effect of high-frequency driving current on magnetization reversal in Co-rich amorphous microwires. *Applied Physics Letters*, **2004**, 85, 2292-2294	3.4	6
221	Magnetization reversal process at low applied magnetic field in a Co-rich amorphous wire. *Physica B: Condensed Matter*, **2004**, 343, 369-373	2.8	6
220	Fabrication and magnetic properties of glass-coated microwires from immiscible elements. *Journal of Applied Physics*, **1999**, 85, 4482-4484	2.5	6
219	Domain Wall Dynamics in Amorphous Microwires. *Acta Physica Polonica A*, **2008**, 113, 7-10	0.6	6
218	Optimization of GMI Effect and Magnetic Properties of Co-Rich Microwires by Joule Heating. *IEEE Transactions on Magnetics*, **2019**, 55, 1-4	2	6
217	Tunable domain wall dynamics in amorphous ferromagnetic microwires. *Journal of Alloys and Compounds*, **2020**, 835, 154843	5.7	6
216	Magnetic hardening of Fe-Pt and Fe-Pt- M (M=B, Si) microwires. *Journal of Alloys and Compounds*, **2018**, 735, 1071-1078	5.7	6
215	Tailoring of Magnetic Properties of Amorphous Ferromagnetic Microwires. *Journal of Superconductivity and Novel Magnetism*, **2015**, 28, 977-981	1.5	5
214	Processing magnetic microwires for magnetic bistability and magnetoimpedance **2015**, 225-274		5
213	Study of length of domain walls in cylindrical magnetic microwires. *Journal of Magnetism and Magnetic Materials*, **2020**, 512, 167060	2.8	5
212	Martensitic transformation behavior of Ni2.44Mn0.48Ga1.08 thin glass-coated microwire. *Journal of Alloys and Compounds*, **2018**, 745, 217-221	5.7	5
211	Soft Magnetic Wires for Sensor Applications. *Springer Series in Materials Science*, **2016**, 221-277	0.9	5
210	Microwire-Based Sensor Array for Measuring Wheel Loads of Vehicles. *Sensors*, **2019**, 19,	3.8	5
209	Transformation of magnetic domain structure in Co- and Fe-rich amorphous microwires. *Journal of Alloys and Compounds*, **2014**, 615, S304-S307	5.7	5
208	Studies of thermal and magnetic properties of Fe-based amorphous and nanocrystalline glass coated microwires. *Journal of Alloys and Compounds*, **2014**, 615, S256-S260	5.7	5
207	Induced Giant Magnetoimpedance Effect by Current Annealing in Ultra Thin Co-Based Amorphous Ribbons. *IEEE Transactions on Magnetics*, **2013**, 49, 1009-1012	2	5
206	Left-handed metacomposites containing carbon fibers and ferromagnetic microwires. *AIP Advances* , **2017**, 7, 056110	1.5	5
205	Engineering of Giant Magnetoimpedance Effect of Amorphous and Nanocrystalline Microwires. *Journal of Superconductivity and Novel Magnetism*, **2017**, 30, 1359-1366	1.5	5

204	The change of domain structure of the amorphous microwire of Fe73.5Cu1Nb3Si13.5B9 composition under thermal treatment. *Journal of Applied Physics*, **2017**, 122, 235103	2.5	5
203	Giant magneto-impedance effect in thin Finemet nanocrystalline microwires. *Physica Status Solidi C: Current Topics in Solid State Physics*, **2014**, 11, 1120-1124		5
202	Fast domain wall dynamics in amorphous and nanocrystalline magnetic microwires. *Journal of Magnetism and Magnetic Materials*, **2012**, 324, 3566-3568	2.8	5
201	The Adiabatic Temperature Changes in the Vicinity of the First-Order Paramagnetic-Ferromagnetic Transition in the Ni-Mn-In-B Heusler Alloy. *IEEE Transactions on Magnetics*, **2012**, 48, 3738-3741	2	5
200	Microwave Metamaterials Containing Magnetically Soft Microwires. *Advances in Science and Technology*, **2010**, 75, 224-229	0.1	5
199	Enhancement of GMI effect in magnetic microwires through the relative temperature dependence of magnetization and anisotropy. *Journal of Magnetism and Magnetic Materials*, **2009**, 321, 3875-3877	2.8	5
198	Magnetic Properties and GMI Effect of Ductile Amorphous Microwires. *IEEE Transactions on Magnetics*, **2012**, 48, 4034-4037	2	5
197	Magneto-Optical Spectroscopy of Heusler Alloys: Bulk Samples, Thin Films and Microwires. *Solid State Phenomena*, **2012**, 190, 335-338	0.4	5
196	High-frequency magnetoimpedance in amorphous and nanostructured Fe73.5Si13.5B9Cu1Nb3 wires. *Journal of Magnetism and Magnetic Materials*, **2006**, 300, 24-28	2.8	5
195	Influence of the ac magnetic field frequency on the magnetoimpedance of amorphous wire. *Journal Physics D: Applied Physics*, **2006**, 39, 1718-1723	3	5
194	Amorphous and Nanocrystalline Soft Magnetic Materials: Tailoring of Magnetic Properties, Magnetoelastic and Transport Properties **2006**, 1091-1157		5
193	Interaction between Co-rich glass-covered microwires. *Journal Physics D: Applied Physics*, **2003**, 36, 1058-1061	3	5
192	FMR study of amorphous Co68Mn7Si10B15 glass-coated microwires. *Physica Status Solidi A*, **2003**, 196, 205-208		5
191	Magnetic and Mechanical Properties of Magnetic Glass-Coated Microwires with Different Glass Coating. *Materials Science Forum*, **2005**, 480-481, 293-298	0.4	5
190	Engineering of domain wall propagation in magnetic microwires with graded magnetic anisotropy. *Applied Materials Today*, **2021**, 26, 101263	6.6	5
189	Fine tuning of domain helical structure in magnetic microwires. *Journal of Magnetism and Magnetic Materials*, **2020**, 497, 166019	2.8	5
188	Martensitic transformation, magnetic and magnetocaloric properties of Ni$_{50}$Mn$_{36}$Fe$_{5}$Sn Heusler ribbons. *Journal of Materials Research and Technology*, **2021**, 12, 1091-1103	5.5	5
187	Torsion Stress Induced Magnetic Switching in Amorphous Microwires. *IEEE Magnetics Letters*, **2017**, 8, 1-5	1.6	4

186	Stress-induced magnetic anisotropy enabling engineering of magnetic softness of Fe-rich amorphous microwires. *Journal of Magnetism and Magnetic Materials*, **2020**, 510, 166939	2.8	4
185	Multiferroic polymer composite based on Heusler-type magnetic microwires with combined magnetocaloric and magnetoelectric effects. *Journal of Magnetism and Magnetic Materials*, **2020**, 510, 166884	2.8	4
184	Engineering of Magnetic Properties of Co- and Fe-Rich Microwires. *IEEE Transactions on Magnetics*, **2018**, 54, 1-7	2	4
183	Tuning of Magnetic Properties of NiMnGa Glass-Coated Microwires. *IEEE Transactions on Magnetics*, **2018**, 54, 1-4	2	4
182	Estimation of the frequency and magnetic field dependence of the skin depth in Co-rich magnetic microwires from GMI experiments. *Journal of Science: Advanced Materials and Devices*, **2016**, 1, 388-392	4.2	4
181	On mechanisms of domain switching in amorphous glass-coated wires. *Physica Status Solidi (A) Applications and Materials Science*, **2016**, 213, 350-355	1.6	4
180	The effect of heat treatment on magnetic and thermal properties of Finemet-type ribbons and microwires. *Journal of Magnetism and Magnetic Materials*, **2019**, 492, 165598	2.8	4
179	GMR effect and Kondo-like behaviour in Co-Cu microwires. *Journal of Alloys and Compounds*, **2017**, 695, 976-980	5.7	4
178	Hopkinson effect in Co-rich glass-coated microwires. *Physica Status Solidi C: Current Topics in Solid State Physics*, **2014**, 11, 1130-1132		4
177	Domain Wall Propagation in Co-Based Glass-Coated Microwires: Effect of Stress Annealing and Tensile Applied Stresses. *IEEE Transactions on Magnetics*, **2014**, 50, 1-4	2	4
176	Magnetoelastic contribution in domain wall propagation of micrometric wires. *Journal of Nanoscience and Nanotechnology*, **2012**, 12, 7582-6	1.3	4
175	Tuneable Composites Containing Magnetic Microwires **2011**,		4
174	Studies of thin microwires with enhanced magnetic softness and GMI effect. *Physica Status Solidi (A) Applications and Materials Science*, **2009**, 206, 674-678	1.6	4
173	Fabrication and First Characterization of Ni2MnGa Glass-Coated Microwires. *Key Engineering Materials*, **2011**, 495, 236-238	0.4	4
172	Giant magneto-impedance effect of thin magnetic wires at elevated frequencies. *Journal of Applied Physics*, **2012**, 111, 07E512	2.5	4
171	Magnetic and transport properties of Fe-rich thin cold-drawn amorphous wires. *Journal of Alloys and Compounds*, **2009**, 488, 5-8	5.7	4
170	Fabrication, structural and magnetic characterization of thin microwires with novel composition Cu70(Co70Fe5Si10B15)30. *Journal of Alloys and Compounds*, **2009**, 483, 566-569	5.7	4
169	Temperature dependence of magnetic properties of Cu80Co19Ni1 thin microwires. *Journal of Magnetism and Magnetic Materials*, **2007**, 316, e71-e73	2.8	4

168	Investigation of helical magnetic structure in Co-rich amorphous microwires. *Journal of Magnetism and Magnetic Materials*, **2007**, 316, 332-336	2.8	4
167	Magneto-optical determination of helical magnetic structure in amorphous microwires. *Physica B: Condensed Matter*, **2008**, 403, 289-292	2.8	4
166	Dynamic electromagnetic processes in micro-wires inferred from GMI-characteristics. *Journal of Magnetism and Magnetic Materials*, **2006**, 300, e88-e92	2.8	4
165	Study of surface magnetic properties in Co-rich amorphous microwires. *Journal of Magnetism and Magnetic Materials*, **2006**, 300, e93-e97	2.8	4
164	Dynamic magnetization processes in magnetostrictive amorphous wires. *Journal of Applied Physics*, **2006**, 100, 083907	2.5	4
163	Complex susceptibility measurements in amorphous glass-coated microwires. *Journal of Non-Crystalline Solids*, **2007**, 353, 928-930	3.9	4
162	Investigation of surface magnetization reversal in Co-rich amorphous microwires with magneto-impedance effect. *Physica B: Condensed Matter*, **2006**, 384, 5-8	2.8	4
161	Magnetoresistance in Co□Ni□Cu glass coated microwires. *Journal of Magnetism and Magnetic Materials*, **2004**, 272-276, E1389-E1391	2.8	4
160	Devitrification of the Finemet-based Microwires during the Heat Treatment. *European Physical Journal D*, **2004**, 54, 177-180		4
159	Studies of magnetoresistance and structure in Co-Ni-Cu thin wires. *Physica Status Solidi C: Current Topics in Solid State Physics*, **2004**, 1, 3717-3721		4
158	Effect of applied stress on remagnetization and magnetization profile of Co□Si□B amorphous wire. *Journal of Magnetism and Magnetic Materials*, **2002**, 242-245, 1439-1442	2.8	4
157	Magnetoimpedance of stress and/or field annealed Fe73.5Cu1Nb3Si15.5B7 amorphous and nanocrystalline ribbon. *Journal of Magnetism and Magnetic Materials*, **2003**, 254-255, 463-465	2.8	4
156	Magnetoresistance in granular Co-Cu glass-coated microwires. *IEEE Transactions on Magnetics*, **2004** , 40, 2254-2256	2	4
155	Effects of torsion on the magnetoimpedance response of CoFeBSi amorphous wires. *Journal of Magnetism and Magnetic Materials*, **2001**, 226-230, 721-723	2.8	4
154	Study of the magnetic properties of Fe73.4□Cu1Nb3.1Si13.4+xB9.1 (1.1?x?1.6) microwires. *Journal of Magnetism and Magnetic Materials*, **2000**, 215-216, 322-324	2.8	4
153	Effect of heat treatment on impedance behavior in nearly-zero magnetostriction (Co/sub 0.95/Fe/sub 0.05/)/sub 72.5/Si/sub 12.5/B/sub 15/ amorphous wire. *IEEE Transactions on Magnetics*, **2000**, 36, 2879-2881	2	4
152	Effect of Heat Treatment on Some Properties of Fe- and Co-Based Amorphous Alloys. *Physica Status Solidi A*, **1989**, 111, K237-K241		4
151	Start Field Distribution in a Bistable Amorphous Ribbon. *Physica Status Solidi A*, **1989**, 112, K127-K130		4

150	The Study of Magnetization Process in Amorphous FeNiSiB Microwires. *Acta Physica Polonica A*, **2010**, 118, 807-808	0.6	4
149	Giant magnetoimpedance effect at GHz frequencies in amorphous microwires. *AIP Advances*, **2019**, 9, 125333	1.5	4
148	Effect of annealing on magnetic properties of NiMnGa glass-coated microwires. *Journal of Materials Research*, **2018**, 33, 2148-2155	2.5	4
147	Giant Magnetoimpedance Effect of Amorphous and Nanocrystalline Glass-Coated Microwires. *Smart Sensors, Measurement and Instrumentation*, **2016**, 103-130	0.3	3
146	Kondo-like behavior and GMR effect in granular Cu90Co10 microwires. *AIP Advances*, **2017**, 7, 055906	1.5	3
145	Impact of Stress Annealing on the Magnetization Process of Amorphous and Nanocrystalline Co-Based Microwires. *Materials*, **2019**, 12,	3.5	3
144	Thermal Conductivity and Diffusivity Measurements of Glass-Coated Magnetic Microwires Using Lock-in Thermography. *International Journal of Thermophysics*, **2015**, 36, 1137-1141	2.1	3
143	Influence of combined mechanical stress on magnetic structure in magnetic microwires. *Journal of Magnetism and Magnetic Materials*, **2020**, 513, 166974	2.8	3
142	Engineering of magnetic properties and domain wall dynamics in Fe-Ni-based amorphous microwires by annealing. *AIP Advances*, **2020**, 10, 015130	1.5	3
141	High frequency giant magnetoimpedance effect of a stress-annealed Fe-rich glass-coated microwire. *Journal of Alloys and Compounds*, **2019**, 802, 112-117	5.7	3
140	Structural and phase transformations in the low-temperature annealed amorphous Finemet-type microwires. *Journal of Alloys and Compounds*, **2014**, 586, S225-S230	5.7	3
139	Structural, magnetic characterization (dependencies of coercivity and loss with the frequency) of magnetic cores based in Finemet. *Journal of Magnetism and Magnetic Materials*, **2017**, 443, 124-130	2.8	3
138	MOKE Study of Amorphous Microwires for Temperature Sensors. *IEEE Transactions on Magnetics*, **2017**, 53, 1-4	2	3
137	Magnetocaloric effects in magnetic microwires for magnetic refrigeration applications **2015**, 569-587		3
136	Axially symmetric domain walls confined in ferromagnetic nanotubes. *Materials Research Express*, **2015**, 2, 126103	1.7	3
135	Manipulation of Magnetic Domain Structures With Helical Magnetization in Magnetic Microwires. *IEEE Transactions on Magnetics*, **2014**, 50, 1-3	2	3
134	Effect of Annealing on Off-Diagonal GMI Effect of Co-Rich Amorphous Microwires. *IEEE Transactions on Magnetics*, **2014**, 50, 1-4	2	3
133	Domain structure of magnetic nanotube with transverse anisotropy. *Physica Status Solidi (A) Applications and Materials Science*, **2011**, 208, 535-539	1.6	3

132	High frequency magneto impedance in amorphous microwires. *Journal of Physics: Conference Series*, **2010**, 200, 082009	0.3	3
131	Studies of giant magnetoimpedance effect of Co-rich microwires in wide frequency range. *Physica Status Solidi (A) Applications and Materials Science*, **2009**, 206, 671-673	1.6	3
130	Studies of electrical resistance in Ni75Cr7Si7.5Mn10.5 and Ni80.5Cr4.2Si6.5Mn5B3.8 glass-coated wires. *Physica Status Solidi C: Current Topics in Solid State Physics*, **2009**, 6, 953-957		3
129	Experimental determination of limit angle of helical anisotropy in amorphous magnetic microwires. *Journal of Magnetism and Magnetic Materials*, **2009**, 321, 803-805	2.8	3
128	High-Frequency Electric Current Influence on Magnetization Reversal and Domain Structure in Co-Rich Amorphous Microwires. *IEEE Transactions on Magnetics*, **2012**, 48, 3800-3802	2	3
127	Magneto-Optical and Magnetic Studies of Co-Rich Glass-Covered Microwires. *Research Letters in Physics*, **2012**, 2012, 1-20		3
126	Amorphous microwires with enhanced magnetic softness and GMI characteristics. *EPJ Web of Conferences*, **2012**, 29, 00052	0.3	3
125	Design of magnetic properties of arrays of magnetostatically coupled glass-covered magnetic microwires. *Physica Status Solidi (A) Applications and Materials Science*, **2010**, 207, 1954-1959	1.6	3
124	Evolution of the Magnetic Properties with Annealing Temperature for CoMnSiB Microwires **1997**, 743-748		3
123	Experimental Determination of Relation Between Helical Anisotropy and Torsion Stress in Amorphous Magnetic Microwires. *IEEE Transactions on Magnetics*, **2008**, 44, 3938-3941	2	3
122	Kerr effect investigation of magnetization reversal in Co-rich glass coated microwires. *Journal of Magnetism and Magnetic Materials*, **2003**, 254-255, 188-190	2.8	3
121	Structural, magnetic and electrical transport properties in cold-drawn thin Fe-rich wires. *Journal of Magnetism and Magnetic Materials*, **2005**, 294, 193-201	2.8	3
120	Tensile stress influence on coercive properties in Fe-rich cold-drawn amorphous wires. *Journal of Magnetism and Magnetic Materials*, **2005**, 294, e167-e170	2.8	3
119	Tensile stress dependence of the magnetostatic interaction between Fe-rich wires. *Journal of Magnetism and Magnetic Materials*, **2005**, 290-291, 595-598	2.8	3
118	Development of Magnetically Soft Amorphous Microwires for Technological Applications. *Chemosensors*, **2022**, 10, 26	4	3
117	Susceptibility Spectroscopy in FeNiSiB Microwires. *Acta Physica Polonica A*, **2008**, 113, 155-158	0.6	3
116	Ni_2FeSi Heusler Glass Coated Microwires. *Acta Physica Polonica A*, **2017**, 131, 851-853	0.6	3
115	Giant magneto-impedance in glass covered microwires. *European Physical Journal Special Topics*, **1998**, 08, Pr2-225-Pr2-228		3

114	Optimization of Magnetic Properties of Magnetic Microwires by Post-Processing. *Processes*, **2020**, 8, 1006	2.9	3
113	Tailoring of Magnetic Softness and Magnetoimpedance of Co-Rich Microwires by Stress Annealing. *Physica Status Solidi (A) Applications and Materials Science*, **2021**, 218, 2100130	1.6	3
112	Ultrafast Magnetization Dynamics in Metallic Amorphous Ribbons with a Giant Magnetoimpedance Response. *Physical Review Applied*, **2020**, 13,	4.3	3
111	Surface magnetic structures induced by mechanical stresses in Co-rich microwires. *Journal of Alloys and Compounds*, **2018**, 735, 1449-1453	5.7	3
110	Effect of Joule heating on giant magnetoimpedance effect and magnetic properties of Co-rich microwires. *Journal of Alloys and Compounds*, **2021**, 883, 160778	5.7	3
109	Amorphous and Nanocrystalline Glass-Coated Wires: Optimization of Soft Magnetic Properties. *Springer Series in Materials Science*, **2017**, 1-31	0.9	2
108	Current induced domain wall propagation in Co-rich amorphous microwires. *AIP Advances*, **2017**, 7, 056026	1.5	2
107	Domain structure and domain wall dynamics in microwires as determined by the magneto-optical Kerr effect **2015**, 403-421		2
106	Tuning of Magnetic Properties of Ni-Mn-In-Co Heusler-Type Glass-Coated Microwires. *Jom*, **2015**, 67, 2117-2122	2.1	2
105	Effect of Temperature and Time of Stress Annealing on Magnetic Properties of Amorphous Microwires. *Acta Physica Polonica A*, **2015**, 127, 600-602	0.6	2
104	Temperature Dependent Magnetic and Structural Properties of Ni-Mn-Ga Heusler Alloy Glass-Coated Microwires. *Acta Physica Polonica A*, **2015**, 127, 603-605	0.6	2
103	Magnetic Microwires with Unique Combination of Magnetic Properties Suitable for Various Magnetic Sensor Applications. *Sensors*, **2020**, 20,	3.8	2
102	Tuning of magnetic properties in Ni-Mn-Ga Heusler-type glass-coated microwires by annealing. *Journal of Alloys and Compounds*, **2020**, 838, 155481	5.7	2
101	Unidirectional anisotropy in bent ferromagnetic microwires. *Journal of Alloys and Compounds*, **2020**, 830, 154601	5.7	2
100	Tailoring of magnetic softness and GMI effect in Fe-rich thin magnetic wires. *AIP Advances*, **2018**, 8, 056103	1.5	2
99	Tuneable Metacomposites Based on Functional Fillers. *Springer Series in Materials Science*, **2016**, 311-357	0.9	2
98	The left-hand behaviour of polymer composites with Fe-based microwires. *Physica Status Solidi C: Current Topics in Solid State Physics*, **2014**, 11, 1086-1088		2
97	Effect of Nanocrystallization on Magnetic Properties and GMI Effect of Microwires. *IEEE Transactions on Magnetics*, **2014**, 50, 1-5	2	2

96	GMR effect in Co-Cu microwires. *Journal of the Korean Physical Society*, **2013**, 62, 1940-1944	0.6	2
95	GMR and Kondo Effects in Cu-Co Microwires. *Journal of Superconductivity and Novel Magnetism*, **2017**, 30, 1109-1114	1.5	2
94	1D and 2D position detection using magnetoimpedance sensor array. *Physica Status Solidi (A) Applications and Materials Science*, **2012**, 209, 2626-2629	1.6	2
93	Domain Wall Dynamics in Thin Magnetic Wires. *Journal of Superconductivity and Novel Magnetism*, **2013**, 26, 1713-1716	1.5	2
92	Stress Dependence of Switching Field during the Devitrification of Finemet-Based Magnetic Microwires. *Key Engineering Materials*, **2013**, 543, 495-498	0.4	2
91	Advanced Magnetic Materials. *Research Letters in Physics*, **2012**, 2012, 1-2		2
90	Stress dependence of coercivity in nanocrystalline Fe79Hf7B12Si2 glass-coated microwires. *Journal of Applied Physics*, **2006**, 99, 08F116	2.5	2
89	The influence of glass coating on the single domain wall potential in amorphous glass-coated Fe-based microwires. *Journal of Magnetism and Magnetic Materials*, **2006**, 304, e519-e521	2.8	2
88	Influence of an ac magnetic field and induced magnetic anisotropy on the surface magnetoimpedance tensor in an amorphous wire. *Journal Physics D: Applied Physics*, **2004**, 37, 2773-2779	3	2
87	Novel surface anisotropy term in the FMR spectra of amorphous microwires. *Journal of Magnetism and Magnetic Materials*, **2004**, 272-276, E1145-E1146	2.8	2
86	Switching Field Dependence on Applied Field Orientation in Bistable Fe-Rich Microwires. *Physica Status Solidi A*, **2002**, 189, 795-798		2
85	Correlation of magnetic and structural properties of glass-coated Cu-based microwires. *Journal of Magnetism and Magnetic Materials*, **2002**, 249, 126-130	2.8	2
84	Effect of annealing on torsion giant impedance of Co-rich amorphous wires with vanishing magnetostriction. *Journal of Applied Physics*, **2002**, 91, 8426	2.5	2
83	Cooling-induced phase transition in amorphous CoCrZr alloy. *Journal of Applied Physics*, **1993**, 73, 5716-5717	2.5	2
82	Spectral Characteristics of the Arrays of Magnetically Coupled Glass-Covered Microwires. *Sensor Letters*, **2013**, 11, 115-118	0.9	2
81	Influence of Thermal Treatment on Domain Wall Dynamics in Glass-Coated Microwires. *Acta Physica Polonica A*, **2010**, 118, 738-739	0.6	2
80	Magnetic Characterization of Melt-Spun Co-Ni-Ga Ferromagnetic Superelastic Alloy. *Acta Physica Polonica A*, **2017**, 131, 1075-1077	0.6	2
79	High Frequency Giant Magnetoimpedance Effect of amorphous microwires for magnetic sensors applications. *International Journal on Smart Sensing and Intelligent Systems*, **2020**, 7, 1-6	0.4	2

78	GMI Effect of Ultra-Soft Magnetic Soft Amorphous Microwires. *Open Materials Science Journal*, **2012**, 6, 39-43		2
77	Reversible and Non-Reversible Transformation of Magnetic Structure in Amorphous Microwires. *Nanomaterials*, **2020**, 10,	5.4	2
76	Structural and low-temperature magnetic properties of as-quenched and annealed Ni$_{75}$Si$_8$B alloys produced by rapid solidification. *Intermetallics*, **2021**, 132, 107140	3.5	2
75	Engineering of Magnetic Properties of Fe-Rich Microwires by Stress Annealing. *IEEE Transactions on Magnetics*, **2019**, 55, 1-4	2	2
74	Helical magnetic structures in magnetostrictive amorphous microwires. *Physica B: Condensed Matter*, **2021**, 604, 412718	2.8	2
73	Magnetic Characterization in the Rayleigh Region of Nanocrystalline Magnetic Cores. *Materials*, **2018**, 11,	3.5	2
72	Magnetic Properties and Defects of Fe-Ni-Based Magnetic Microwires. *IEEE Transactions on Magnetics*, **2017**, 53, 1-4	2	1
71	Tailoring of Soft Magnetic Properties and High Frequency Giant Magnetoimpedance in Amorphous Ribbons. *Springer Series in Materials Science*, **2017**, 33-52	0.9	1
70	Magnetic properties of thick glass-coated Fe-rich microwires. *AIP Advances*, **2019**, 9, 035017	1.5	1
69	Multidomain Structures in Magnetic Microwire. *IEEE Transactions on Magnetics*, **2015**, 51, 1-4	2	1
68	Stress-Induced Magnetic Anisotropy Enabling Engineering of Magnetic Softness GMI Effect and Domain Wall Dynamics of Amorphous Microwires. *Physics of Metals and Metallography*, **2020**, 121, 316-321	1.2	1
67	Magnetic Properties of Nanocrystalline Microwires. *Journal of Electronic Materials*, **2016**, 45, 212-218	1.9	1
66	Optimization of Soft Magnetic Properties in Fe-Ni-Based Magnetic Microwires. *IEEE Transactions on Magnetics*, **2016**, 52, 1-3	2	1
65	Magnetic and Transport Properties of M-Cu (M = Co, Fe) Microwires. *Smart Sensors, Measurement and Instrumentation*, **2016**, 81-102	0.3	1
64	Tuning of Magnetic Properties of Magnetic Microwires. *IEEE Magnetics Letters*, **2018**, 9, 1-4	1.6	1
63	Radial elemental and phase separation in Ni-Mn-Ga glass-coated microwires. *Journal of Applied Physics*, **2018**, 123, 173903	2.5	1
62	Manipulation of Magnetic Properties and Domain Wall Dynamics in Amorphous Ferromagnetic Microwires by Annealing under Applied Stress. *Solid State Phenomena*, **2014**, 215, 432-436	0.4	1
61	Effect of Annealing on Magnetic Properties and Giant Magnetoimpedance Effect of Amorphous Microwires. *IEEE Transactions on Magnetics*, **2014**, 50, 1-4	2	1

60	Multicore Off-Diagonal Magnetoimpedance Sensors Utilising Amorphous Wires. *Physics Procedia*, **2015**, 75, 1419-1426		1
59	Interaction of bistable glass-coated microwires in different positional relationship. *Physica B: Condensed Matter*, **2012**, 407, 1438-1441	2.8	1
58	Manipulation of Magnetic Properties and Domain Wall Dynamics of Amorphous Ferromagnetic Co68.7Fe4Ni1B13Si11Mo2.3 Microwire by Changing of Annealing Temperature. *Solid State Phenomena*, **2015**, 233-234, 269-272	0.4	1
57	Studies of Magnetic Properties of Ni-Mn-In-Co Heusler-Type Glass-Coated Microwires **2015**, 149-155		1
56	High frequency giant magnetoimpedance effect of soft magnetic amorphous microwires **2015**,		1
55	Magnetic Characterization of Co_2MnSi Heusler Microwires. *Acta Physica Polonica A*, **2014**, 126, 196-197	0.6	1
54	Manipulation of magnetic and magneto-transport properties of amorphous glass-coated microwires through various annealing processes. *Physica Status Solidi C: Current Topics in Solid State Physics*, **2014**, 11, 1125-1129		1
53	Domain wall dynamics of magnetically bistable microwires. *EPJ Web of Conferences*, **2012**, 29, 00036	0.3	1
52	Manipulation of domain wall dynamics in microwires by transverse magnetic field. *Journal of the Korean Physical Society*, **2013**, 62, 1363-1367	0.6	1
51	Influence of Magnetoelastic Anisotropy on Properties of Nanostructured Microwires. *Advanced Materials Research*, **2013**, 646, 59-66	0.5	1
50	Development of magnetically soft microwires with GMI effect. *Journal of Physics: Conference Series*, **2011**, 303, 012085	0.3	1
49	Nucleation and transformation of circular magnetic-domain structure in amorphous microwires. *Physica Status Solidi (A) Applications and Materials Science*, **2011**, 208, 2277-2280	1.6	1
48	Pinning Field Distribution and Microstructural Study of Thermal Annealed Fe-Nb-Cu-Si-B Wires. *IEEE Transactions on Magnetics*, **2010**, 46, 387-389	2	1
47	Domain Wall Propagation in Thin Fe-Rich Glass-Coated Amorphous Wires. *AIP Conference Proceedings*, **2008**,	0	1
46	Experimental study of surface domain structure effects on off-diagonal magnetoimpedance in glass-coated Co-based microwires. *Journal of Physics: Conference Series*, **2008**, 98, 062004	0.3	1
45	Thermal dependence of coercivity in granular CoNiCu glass coated microwires. *Journal of Magnetism and Magnetic Materials*, **2007**, 310, e867-e869	2.8	1
44	High frequency electric current influence on circular bistability in Co-rich amorphous microwires. *Physica Status Solidi C: Current Topics in Solid State Physics*, **2004**, 1, 3385-3388		1
43	Orientational dependence of switching field in bistable Co-rich wires. *Journal of Magnetism and Magnetic Materials*, **2003**, 254-255, 185-187	2.8	1

42	Inducing rotation and levitation in magnetostrictive wires and rods: correlated amplitude and frequency of exciting ac axial magnetic field. *Sensors and Actuators A: Physical*, **2003**, 106, 274-277	3.9	1
41	CRITICAL BEHAVIOUR OF AMORPHOUS FERROMAGNETIC MATERIALS WITH MAGNETIC BISTABILITY **1998**,		1
40	GIANT MAGNETOIMPEDANCE IN HEAT TREATED FeSiBNbCu NANOCRYSTALLINE RIBBONS **1998**,		1
39	MOKE studies of magnetic microwires with longitudinally distributed properties. *Journal of Magnetism and Magnetic Materials*, **2021**, 547, 168824	2.8	1
38	Engineering of Magnetic Properties of Magnetic Microwires. *Acta Physica Polonica A*, **2018**, 133, 321-328	0.6	1
37	Tailoring of Magnetic Properties and GMI Effect in Thin Amorphous Wires785-792		1
36	Control of Domain Structure in Magnetic Microwires by Combination of Torsion and Tension Stresses. *IEEE Magnetics Letters*, **2020**, 11, 1-5	1.6	1
35	Magneto-Transport Properties of Co-Cu Thin Films Obtained by Co-Sputtering and Sputter Gas Aggregation. *Nanomaterials*, **2021**, 11,	5.4	1
34	Effect of Joule heating on GMI and magnetic properties of Fe-rich glass-coated microwires. *AIP Advances*, **2022**, 12, 035021	1.5	1
33	Nanocrystallization and Surface Magnetic Structure of Ferromagnetic Ribbons and Microwires. *Springer Proceedings in Physics*, **2009**, 205-217	0.2	0
32	Giant magnetoimpedance and magneto-optical Kerr effects in (Co63Ni37)75Si15B10 amorphous ribbon. *Intermetallics*, **2020**, 125, 106925	3.5	0
31	Development of iron-rich microwires with a unique combination of magnetic properties. *Scripta Materialia*, **2021**, 195, 113726	5.6	0
30	Post-Annealing Influence on Magnetic Properties of Rapidly Quenched Ni□Mn□a Glass-Coated Microwires. *IEEE Transactions on Magnetics*, **2021**, 57, 1-6	2	0
29	Magnetostriction of Co-Fe-Based Amorphous Soft Magnetic Microwires **2015**, 263-271		
28	Analysis of the off-diagonal component of giant magnetoimpedance effect in Co-based (as-cast and stress-annealed) amorphous ribbons. *Intermetallics*, **2018**, 93, 63-66	3.5	
27	Magnetism and Applications of Magnetic Wires. *Physica Status Solidi (A) Applications and Materials Science*, **2016**, 213, 339-340	1.6	
26	Features of Amorphous Microwires With Spontaneous and Induced Magnetic Bistability. *IEEE Transactions on Magnetics*, **2016**, 52, 1-4	2	
25	Influence of the Defects on Magnetic Properties of Glass-Coated Microwires. *Solid State Phenomena*, **2015**, 233-234, 285-289	0.4	

24	Optimization of Soft Magnetic Properties in Nanocrystalline Glass-Coated Microwires **2015**, 157-164	
23	Magnetic Properties and Giant Magnetoimpedance in Amorphous and Nanocrystalline Microwires. *Acta Physica Polonica A*, **2014**, 126, 146-147	0.6
22	GHz magnetic field influence on magnetization reversal in amorphous microwires. *Physica Status Solidi C: Current Topics in Solid State Physics*, **2014**, 11, 986-988	
21	GMI effect of amorphous microwires with enhanced magnetic softness. *Journal of the Korean Physical Society*, **2013**, 62, 1382-1387	0.6
20	Recent Research on the Magnetoimpedance Effect in Co-Based Amorphous Ribbons. *Advanced Materials Research*, **2013**, 646, 222-227	0.5
19	Magnetization reversal in thin glass covered amorphous microwires with helical anisotropy. *Journal of Physics: Conference Series*, **2010**, 200, 082001	0.3
18	Tunable Microwave Composites Containing Ferromagnetic Microwires. *Materials Research Society Symposia Proceedings*, **2009**, 1223, 3041	
17	Multilayered Magnetic Wires and Films for Electromagnetic Sensor Technology. *Advances in Science and Technology*, **2008**, 54, 29-40	0.1
16	Development of Stress and Temperature Sensitive Microwires for the Sensor Applications and Tuneable Composite Materials. *Advances in Science and Technology*, **2008**, 54, 180-186	0.1
15	Studies of the remagnetization process in cold drawn Fe-rich thin amorphous wires. *Journal of Magnetism and Magnetic Materials*, **2007**, 310, e893-e895	2.8
14	Microstructure and soft magnetic properties of nanocrystalline (Co0.77Si0.135B0.095)90Fe7Nb3 alloy. *Physica Status Solidi (A) Applications and Materials Science*, **2008**, 205, 1363-1366	1.6
13	Equation of motion of domain walls and the dynamic coercive field in bistable wires. *Computational Materials Science*, **2006**, 36, 268-271	3.2
12	Magnetic and magnetotransport properties in thin Fe-rich wires processed by cold drawing. *Physics of Metals and Metallography*, **2006**, 102, S8-S12	1.2
11	Tailoring of Magnetic Properties of Glass coated Microwires. *Materials Research Society Symposia Proceedings*, **2001**, 674, 1	
10	Experimental study of regions of reversed magnetization in an amorphous layer of Co70Fe5Si10B15. *Soviet Physics Journal (English Translation of Izvestiia Vysshykh Uchebnykh Zavedenii, Fizika)*, **1988**, 31, 250-255	
9	Magnetic and Transport properties of Co-Cu Microwires. *International Journal on Smart Sensing and Intelligent Systems*, **2020**, 7, 1-6	0.4
8	Magneto-optical study of microwire in presence of magnetic field of super high frequency. *International Journal on Smart Sensing and Intelligent Systems*, **2020**, 7, 1-4	0.4
7	Magnetic Properties of Nanocrystalline Microwires283-289	

6	Tailoring of Magnetic Properties and Magnetoimpedance Effect in Thin Amorphous Wires. *Acta Physica Polonica A*, **2016**, 129, 694-697	0.6
5	Tunable Magnetic Anisotropy and Magnetization Reversal in Microwires. *Springer Series in Materials Science*, **2017**, 111-129	0.9
4	Negative Mobility of Single Domain Wall in Magnetic Microwires. *Acta Physica Polonica A*, **2010**, 118, 747-748	0.6
3	Magnetic Properties and Giant Magnetoimpedance Effect in Nanocrystalline Microwires793-798	
2	Graded magnetic anisotropy in Co-rich microwires. *AIP Advances*, **2022**, 12, 035215	1.5
1	Domain wall propagation in Fe-rich magnetic microwires with graded magnetic anisotropy. *AIP Advances*, **2022**, 12, 035228	1.5