Arcady Zhukov

List of Publications by Year in Descending Order

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

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	Development of Magnetically Soft Amorphous Microwires for Technological Applications. *Chemosensors*, **2022**, 10, 26	4	3
562	Graded magnetic anisotropy in Co-rich microwires. *AIP Advances*, **2022**, 12, 035215	1.5	
561	Domain wall propagation in Fe-rich magnetic microwires with graded magnetic anisotropy. *AIP Advances*, **2022**, 12, 035228	1.5	
560	Effect of Joule heating on GMI and magnetic properties of Fe-rich glass-coated microwires. *AIP Advances*, **2022**, 12, 035021	1.5	1
559	Engineering of domain wall propagation in magnetic microwires with graded magnetic anisotropy. *Applied Materials Today*, **2021**, 26, 101263	6.6	5
558	MOKE studies of magnetic microwires with longitudinally distributed properties. *Journal of Magnetism and Magnetic Materials*, **2021**, 547, 168824	2.8	1
557	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
556	Electronic Surveillance and Security Applications of Magnetic Microwires. *Chemosensors*, **2021**, 9, 100	4	8
555	Development of iron-rich microwires with a unique combination of magnetic properties. *Scripta Materialia*, **2021**, 195, 113726	5.6	0
554	Structural and low-temperature magnetic properties of as-quenched and annealed NiSiB alloys produced by rapid solidification. *Intermetallics*, **2021**, 132, 107140	3.5	2
553	Martensitic transformation, magnetic and magnetocaloric properties of NiMnFeSn Heusler ribbons. *Journal of Materials Research and Technology*, **2021**, 12, 1091-1103	5.5	5
552	Post-Annealing Influence on Magnetic Properties of Rapidly Quenched NiMnGa Glass-Coated Microwires. *IEEE Transactions on Magnetics*, **2021**, 57, 1-6	2	0
551	Helical magnetic structures in magnetostrictive amorphous microwires. *Physica B: Condensed Matter*, **2021**, 604, 412718	2.8	2
550	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
549	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
548	Magneto-Transport Properties of Co-Cu Thin Films Obtained by Co-Sputtering and Sputter Gas Aggregation. *Nanomaterials*, **2021**, 11,	5.4	1
547	Magnetic Microwires with Unique Combination of Magnetic Properties Suitable for Various Magnetic Sensor Applications. *Sensors*, **2020**, 20,	3.8	2

546	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
545	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
544	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
543	Study of length of domain walls in cylindrical magnetic microwires. *Journal of Magnetism and Magnetic Materials*, **2020**, 512, 167060	2.8	5
542	Cylindrical micro and nanowires: Fabrication, properties and applications. *Journal of Magnetism and Magnetic Materials*, **2020**, 513, 167074	2.8	16
541	Optimization of magnetic properties and GMI effect of Thin Co-rich Microwires for GMI Microsensors. *Sensors*, **2020**, 20,	3.8	16
540	Unidirectional anisotropy in bent ferromagnetic microwires. *Journal of Alloys and Compounds*, **2020**, 830, 154601	5.7	2
539	Stress-Induced Magnetic Anisotropy Enabling Engineering of Magnetic Softness and GMI Effect of Amorphous Microwires. *Applied Sciences (Switzerland)*, **2020**, 10, 981	2.6	6
538	Influence of combined mechanical stress on magnetic structure in magnetic microwires. *Journal of Magnetism and Magnetic Materials*, **2020**, 513, 166974	2.8	3
537	Magnetoimpedance Response and Field Sensitivity in Stress-Annealed Co-Based Microwires for Sensor Applications. *Sensors*, **2020**, 20,	3.8	7
536	Routes for optimization of giant magnetoimpedance effect in magnetic microwires. *IEEE Instrumentation and Measurement Magazine*, **2020**, 23, 56-63	1.4	9
535	Engineering of magnetic properties and domain wall dynamics in Fe-Ni-based amorphous microwires by annealing. *AIP Advances*, **2020**, 10, 015130	1.5	3
534	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
533	Route of magnetoimpedance and domain walls dynamics optimization in Co-based microwires. *Journal of Alloys and Compounds*, **2020**, 830, 154576	5.7	15
532	Controlling the domain wall dynamics in Fe-, Ni- and Co-based magnetic microwires. *Journal of Alloys and Compounds*, **2020**, 834, 155170	5.7	6
531	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
530	Magnetic and Transport properties of Co-Cu Microwires. *International Journal on Smart Sensing and Intelligent Systems*, **2020**, 7, 1-6	0.4	
529	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	

528	Fine tuning of domain helical structure in magnetic microwires. *Journal of Magnetism and Magnetic Materials*, **2020**, 497, 166019	2.8	5
527	Excellent magnetic properties of (Fe0.7Co0.3)83.7Si4B8P3.6Cu0.7 ribbons and microwires. *Intermetallics*, **2020**, 117, 106660	3.5	7
526	Soft magnetic microwires for sensor applications. *Journal of Magnetism and Magnetic Materials*, **2020**, 498, 166180	2.8	25
525	Giant magnetoimpedance and magneto-optical Kerr effects in (Co63Ni37)75Si15B10 amorphous ribbon. *Intermetallics*, **2020**, 125, 106925	3.5	0
524	Review of Domain Wall Dynamics Engineering in Magnetic Microwires. *Nanomaterials*, **2020**, 10,	5.4	12
523	Reversible and Non-Reversible Transformation of Magnetic Structure in Amorphous Microwires. *Nanomaterials*, **2020**, 10,	5.4	2
522	Control of Domain Structure in Magnetic Microwires by Combination of Torsion and Tension Stresses. *IEEE Magnetics Letters*, **2020**, 11, 1-5	1.6	1
521	Optimization of Magnetic Properties of Magnetic Microwires by Post-Processing. *Processes*, **2020**, 8, 1006	2.9	3
520	Giant magnetoimpedance in rapidly quenched materials. *Journal of Alloys and Compounds*, **2020**, 814, 152225	5.7	31
519	The effect of annealing on magnetic properties of thick microwires. *Journal of Alloys and Compounds*, **2020**, 831, 150992	5.7	12
518	Glass-coated ferromagnetic microwire-induced magnetic hyperthermia for in vitro cancer cell treatment. *Materials Science and Engineering C*, **2020**, 106, 110261	8.3	18
517	Tunable domain wall dynamics in amorphous ferromagnetic microwires. *Journal of Alloys and Compounds*, **2020**, 835, 154843	5.7	6
516	Ultrafast Magnetization Dynamics in Metallic Amorphous Ribbons with a Giant Magnetoimpedance Response. *Physical Review Applied*, **2020**, 13,	4.3	3
515	Impact of Stress Annealing on the Magnetization Process of Amorphous and Nanocrystalline Co-Based Microwires. *Materials*, **2019**, 12,	3.5	3
514	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
513	Torsion induced acceleration of domain wall motion in magnetic microwires. *Journal of Magnetism and Magnetic Materials*, **2019**, 489, 165420	2.8	9
512	Magnetic properties of thick glass-coated Fe-rich microwires. *AIP Advances*, **2019**, 9, 035017	1.5	1
511	Stress dependence of the magnetic properties of glass-coated amorphous microwires. *Journal of Alloys and Compounds*, **2019**, 789, 201-208	5.7	16

510	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
509	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
508	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
507	Microwire-Based Sensor Array for Measuring Wheel Loads of Vehicles. *Sensors*, **2019**, 19,	3.8	5
506	Development of Magnetic Microwires for Magnetic Sensor Applications. *Sensors*, **2019**, 19,	3.8	26
505	Soft Magnetic Amorphous Microwires for Stress and Temperature Sensory Applications. *Sensors*, **2019**, 19,	3.8	7
504	Giant magnetoimpedance effect at GHz frequencies in amorphous microwires. *AIP Advances*, **2019**, 9, 125333	1.5	4
503	Engineering of magnetic properties of Co-rich microwires by joule heating. *Intermetallics*, **2019**, 105, 92-98	3.5	31
502	Optimization of GMI Effect and Magnetic Properties of Co-Rich Microwires by Joule Heating. *IEEE Transactions on Magnetics*, **2019**, 55, 1-4	2	6
501	Engineering of Magnetic Properties of Fe-Rich Microwires by Stress Annealing. *IEEE Transactions on Magnetics*, **2019**, 55, 1-4	2	2
500	Tailoring of magnetoimpedance effect and magnetic softness of Fe-rich glass-coated microwires by stress- annealing. *Scientific Reports*, **2018**, 8, 3202	4.9	50
499	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
498	Engineering of Magnetic Properties of Co- and Fe-Rich Microwires. *IEEE Transactions on Magnetics*, **2018**, 54, 1-7	2	4
497	Tuning of Magnetic Properties of Ni□Mn□Ga Glass-Coated Microwires. *IEEE Transactions on Magnetics*, **2018**, 54, 1-4	2	4
496	Magnetic and structural properties of glass-coated Heusler-type microwires exhibiting martensitic transformation. *Scientific Reports*, **2018**, 8, 621	4.9	16
495	Control of reversible magnetization switching by pulsed circular magnetic field in glass-coated amorphous microwires. *Applied Physics Letters*, **2018**, 112, 072407	3.4	10
494	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
493	Martensitic transformation behavior of Ni2.44Mn0.48Ga1.08 thin glass-coated microwire. *Journal of Alloys and Compounds*, **2018**, 745, 217-221	5.7	5

492	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
491	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	
490	Optimization of high frequency magnetoimpedance effect of Fe-rich microwires by stress-annealing. *Intermetallics*, **2018**, 94, 92-98	3.5	9
489	Internal stresses influence on magnetic properties of Ni-Mn-Ga Heusler-type microwires. *Intermetallics*, **2018**, 94, 42-46	3.5	8
488	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
487	AC-current-induced magnetization switching in amorphous microwires. *Frontiers of Physics*, **2018**, 13, 1	3.7	26
486	Tailoring of magnetic softness and GMI effect in Fe-rich thin magnetic wires. *AIP Advances*, **2018**, 8, 056103	1.5	2
485	Tailoring of magnetic properties of Heusler-type glass-coated microwires by annealing. *Journal of Alloys and Compounds*, **2018**, 732, 561-566	5.7	15
484	Engineering of magnetic softness and giant magnetoimpedance effect in Fe-rich microwires by stress-annealing. *Scripta Materialia*, **2018**, 142, 10-14	5.6	47
483	Tuning of Magnetic Properties of Magnetic Microwires. *IEEE Magnetics Letters*, **2018**, 9, 1-4	1.6	1
482	Radial elemental and phase separation in Ni-Mn-Ga glass-coated microwires. *Journal of Applied Physics*, **2018**, 123, 173903	2.5	1
481	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
480	Magnetic Properties of NdFeB Alloys Obtained by Gas Atomization Technique. *IEEE Transactions on Magnetics*, **2018**, 54, 1-5	2	7
479	Engineering of Magnetic Properties of Magnetic Microwires. *Acta Physica Polonica A*, **2018**, 133, 321-328	0.6	1
478	Surface magnetic structures induced by mechanical stresses in Co-rich microwires. *Journal of Alloys and Compounds*, **2018**, 735, 1449-1453	5.7	3
477	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
476	Spiral magnetic domain structure in cylindrically-shaped microwires. *Scientific Reports*, **2018**, 8, 15090	4.9	15
475	Magnetic Characterization in the Rayleigh Region of Nanocrystalline Magnetic Cores. *Materials*, **2018**, 11,	3.5	2

474	Continuous control of a resistance in Co-rich amorphous ferromagnetic microwires during DC Joule heating. *Intermetallics*, **2018**, 99, 39-43	3.5	15
473	Effect of annealing on magnetic properties of NiMnGa glass-coated microwires. *Journal of Materials Research*, **2018**, 33, 2148-2155	2.5	4
472	Magnetic Properties and Defects of Fe-Ni-Based Magnetic Microwires. *IEEE Transactions on Magnetics*, **2017**, 53, 1-4	2	1
471	Kondo-like behavior and GMR effect in granular Cu90Co10 microwires. *AIP Advances*, **2017**, 7, 055906	1.5	3
470	Tailoring of Soft Magnetic Properties and High Frequency Giant Magnetoimpedance in Amorphous Ribbons. *Springer Series in Materials Science*, **2017**, 33-52	0.9	1
469	Amorphous and Nanocrystalline Glass-Coated Wires: Optimization of Soft Magnetic Properties. *Springer Series in Materials Science*, **2017**, 1-31	0.9	2
468	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
467	Current induced domain wall propagation in Co-rich amorphous microwires. *AIP Advances*, **2017**, 7, 056026	1.5	2
466	Torsion Stress Induced Magnetic Switching in Amorphous Microwires. *IEEE Magnetics Letters*, **2017**, 8, 1-5	1.6	4
465	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
464	Surface magnetic properties and giant magnetoimpedance effect in Co-based amorphous ribbons. *Intermetallics*, **2017**, 86, 15-19	3.5	6
463	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
462	Correlation of Crystalline Structure with Magnetic and Transport Properties of Glass-Coated Microwires. *Crystals*, **2017**, 7, 41	2.3	49
461	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
460	Trends in optimization of giant magnetoimpedance effect in amorphous and nanocrystalline materials. *Journal of Alloys and Compounds*, **2017**, 727, 887-901	5.7	66
459	First-order martensitic transformation in Heusler-type glass-coated microwires. *Applied Physics Letters*, **2017**, 111, 242403	3.4	9
458	Left-handed metacomposites containing carbon fibers and ferromagnetic microwires. *AIP Advances* , **2017**, 7, 056110	1.5	5
457	GMR effect and Kondo-like behaviour in Co-Cu microwires. *Journal of Alloys and Compounds*, **2017**, 695, 976-980	5.7	4

456	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
455	Engineering of Giant Magnetoimpedance Effect of Amorphous and Nanocrystalline Microwires. *Journal of Superconductivity and Novel Magnetism*, **2017**, 30, 1359-1366	1.5	5
454	GMR and Kondo Effects in Cu-Co Microwires. *Journal of Superconductivity and Novel Magnetism*, **2017**, 30, 1109-1114	1.5	2
453	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
452	Engineering of domain wall dynamics in amorphous microwires by annealing. *Journal of Alloys and Compounds*, **2017**, 707, 35-40	5.7	16
451	MOKE Study of Amorphous Microwires for Temperature Sensors. *IEEE Transactions on Magnetics*, **2017**, 53, 1-4	2	3
450	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
449	Magnetic Characterization of Melt-Spun Co-Ni-Ga Ferromagnetic Superelastic Alloy. *Acta Physica Polonica A*, **2017**, 131, 1075-1077	0.6	2
448	Ni_2FeSi Heusler Glass Coated Microwires. *Acta Physica Polonica A*, **2017**, 131, 851-853	0.6	3
447	Tunable Magnetic Anisotropy and Magnetization Reversal in Microwires. *Springer Series in Materials Science*, **2017**, 111-129	0.9	
446	Giant Magnetoimpedance Effect of Amorphous and Nanocrystalline Glass-Coated Microwires. *Smart Sensors, Measurement and Instrumentation*, **2016**, 103-130	0.3	3
445	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
444	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
443	Current controlled switching of impedance in magnetic conductor with tilted anisotropy easy axis and its applications. *Scientific Reports*, **2016**, 6, 36180	4.9	20
442	Magnetic Properties of Nanocrystalline Microwires. *Journal of Electronic Materials*, **2016**, 45, 212-218	1.9	1
441	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
440	Magnetostriction investigation of soft magnetic microwires. *Physica Status Solidi (A) Applications and Materials Science*, **2016**, 213, 363-367	1.6	31
439	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

438	Magnetostriction of CoFe-Based Amorphous Soft Magnetic Microwires. *Journal of Electronic Materials*, **2016**, 45, 226-234	1.9	59
437	Magnetism and Applications of Magnetic Wires. *Physica Status Solidi (A) Applications and Materials Science*, **2016**, 213, 339-340	1.6	
436	Optimization of Soft Magnetic Properties in Fe-Ni-Based Magnetic Microwires. *IEEE Transactions on Magnetics*, **2016**, 52, 1-3	2	1
435	Features of Amorphous Microwires With Spontaneous and Induced Magnetic Bistability. *IEEE Transactions on Magnetics*, **2016**, 52, 1-4	2	
434	Grain size refinement in nanocrystalline Hitperm-type glass-coated microwires. *Journal of Magnetism and Magnetic Materials*, **2016**, 406, 15-21	2.8	8
433	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
432	Tuneable Metacomposites Based on Functional Fillers. *Springer Series in Materials Science*, **2016**, 311-357	0.9	2
431	Soft Magnetic Wires for Sensor Applications. *Springer Series in Materials Science*, **2016**, 221-277	0.9	5
430	Magnetoresistance and Kondo-like behaviour in Co5Cu95 microwires. *Journal of Alloys and Compounds*, **2016**, 674, 266-271	5.7	8
429	Engineering of magnetic properties and GMI effect in Co-rich amorphous microwires. *Journal of Alloys and Compounds*, **2016**, 664, 235-241	5.7	26
428	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
427	Preparation and Characterization of Fe-Pt and Fe-Pt-(B, Si) Microwires. *IEEE Magnetics Letters*, **2016**, 7, 1-4	1.6	9
426	Magnetic and Transport Properties of M-Cu (M = Co, Fe) Microwires. *Smart Sensors, Measurement and Instrumentation*, **2016**, 81-102	0.3	1
425	Tailoring of Magnetic Properties and Magnetoimpedance Effect in Thin Amorphous Wires. *Acta Physica Polonica A*, **2016**, 129, 694-697	0.6	
424	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
423	Surface defect detection of magnetic microwires by miniature rotatable robot inside SEM. *AIP Advances*, **2016**, 6, 095309	1.5	9
422	Ferromagnetic glass-coated microwires with good heating properties for magnetic hyperthermia. *Scientific Reports*, **2016**, 6, 39300	4.9	36
421	Control of the domain wall motion in cylindrical magnetic wires. *Applied Physics Letters*, **2016**, 109, 052405	3.4	13

420	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
419	Engineering of Magnetic Softness and Magnetoimpedance in Fe-Rich Microwires by Nanocrystallization. *Jom*, **2016**, 68, 1563-1571	2.1	19
418	Engineering of the GMR Effect in CuCo Microwires with Granular Structure. *Journal of Electronic Materials*, **2016**, 45, 2401-2406	1.9	8
417	Microwires enabled metacomposites towards microwave applications. *Journal of Magnetism and Magnetic Materials*, **2016**, 416, 299-308	2.8	19
416	Tailoring of Magnetic Properties of Amorphous Ferromagnetic Microwires. *Journal of Superconductivity and Novel Magnetism*, **2015**, 28, 977-981	1.5	5
415	Domain structure and domain wall dynamics in microwires as determined by the magneto-optical Kerr effect **2015**, 403-421		2
414	Tuning of Magnetic Properties of Ni-Mn-In-Co Heusler-Type Glass-Coated Microwires. *Jom*, **2015**, 67, 2117-2122	2.1	2
413	Processing magnetic microwires for magnetic bistability and magnetoimpedance **2015**, 225-274		5
412	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
411	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
410	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
409	Optimization of Magnetic Properties and Giant Magnetoimpedance Effect in Nanocrystalline Microwires. *Journal of Superconductivity and Novel Magnetism*, **2015**, 28, 813-822	1.5	11
408	Magnetostriction of Co-Fe-Based Amorphous Soft Magnetic Microwires **2015**, 263-271		
407	Optimization of Soft Magnetic Properties in Nanocrystalline Fe-Rich Glass-Coated Microwires. *Jom*, **2015**, 67, 2108-2116	2.1	9
406	Effect of annealing on magnetic properties and magnetostriction coefficient of FeNi-based amorphous microwires. *Journal of Alloys and Compounds*, **2015**, 651, 718-723	5.7	26
405	Multidomain Structures in Magnetic Microwire. *IEEE Transactions on Magnetics*, **2015**, 51, 1-4	2	1
404	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
403	Manipulation of magnetic properties of glass-coated microwires by annealing. *Journal of Magnetism and Magnetic Materials*, **2015**, 383, 232-236	2.8	56

402	Influence of the Defects on Magnetic Properties of Glass-Coated Microwires. *Solid State Phenomena*, **2015**, 233-234, 285-289	0.4	
401	Multicore Off-Diagonal Magnetoimpedance Sensors Utilising Amorphous Wires. *Physics Procedia*, **2015**, 75, 1419-1426		1
400	Advances in Giant Magnetoimpedance of Materials. *Handbook of Magnetic Materials*, **2015**, 24, 139-236	1.3	43
399	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
398	Optimization of Soft Magnetic Properties in Nanocrystalline Glass-Coated Microwires **2015**, 157-164		
397	Studies of Magnetic Properties of Ni-Mn-In-Co Heusler-Type Glass-Coated Microwires **2015**, 149-155		1
396	Magnetocaloric effects in magnetic microwires for magnetic refrigeration applications **2015**, 569-587		3
395	High frequency giant magnetoimpedance effect of soft magnetic amorphous microwires **2015**,		1
394	Magnetic Properties of Heusler-Type NiMnGa Glass-Coated Microwires. *IEEE Transactions on Magnetics*, **2015**, 51, 1-4	2	6
393	Axially symmetric domain walls confined in ferromagnetic nanotubes. *Materials Research Express*, **2015**, 2, 126103	1.7	3
392	Studies of High-Frequency Giant Magnetoimpedance Effect in Co-Rich Amorphous Microwires. *IEEE Transactions on Magnetics*, **2015**, 51, 1-4	2	9
391	Tailoring the High-Frequency Giant Magnetoimpedance Effect of Amorphous Co-Rich Microwires. *IEEE Magnetics Letters*, **2015**, 6, 1-4	1.6	54
390	Giant magnetoimpedance effect and domain wall dynamics in Co-rich amorphous microwires. *Journal of Applied Physics*, **2015**, 117, 043904	2.5	13
389	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
388	Giant magnetoimpedance in thin amorphous and nanocrystalline microwires. *Applied Physics A: Materials Science and Processing*, **2014**, 115, 547-553	2.6	6
387	Influence of the defects on magnetic properties of glass-coated microwires. *Journal of Applied Physics*, **2014**, 115, 17A305	2.5	20
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