

Antonio Hernando Esteban

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.

645
papers

16,084
citations

55
h-index

102
g-index

672
ext. papers

17,361
ext. citations

3.2
avg, IF

6.45
L-index

#	Paper	IF	Citations
645	Coexistence of antiferro- and ferrimagnetism in the spinel ZnFe ₂ O ₄ with an inversion degree \square lower than 0.3. <i>Ceramics International</i> , 2022 ,	5.1	1
644	Unveiling the Hidden Entropy in ZnFeO.. <i>Materials</i> , 2022 , 15,	3.5	1
643	Boosting the Tunable Microwave Scattering Signature of Sensing Array Platforms Consisting of Amorphous Ferromagnetic FeCoSiB Microwires and Its Amplification by Intercalating Cu Microwires. <i>Nanomaterials</i> , 2021 , 11,	5.4	3
642	Magnetic detection of high mechanical stress in iron-based materials using eddy currents and phase shift measurements. <i>Journal of Applied Physics</i> , 2021 , 129, 243901	2.5	1
641	Nanocrystalline Spinel Manganese Ferrite MnFe ₂ O ₄ : Synthesis, Electronic Structure, and Evaluation of Their Magnetic Hyperthermia Applications. <i>Engineering Materials</i> , 2021 , 335-348	0.4	
640	Diagnosis in Tennis Serving Technique. <i>Algorithms</i> , 2020 , 13, 106	1.8	2
639	Colossal heating efficiency via eddy currents in amorphous microwires with nearly zero magnetostriction. <i>Scientific Reports</i> , 2020 , 10, 602	4.9	11
638	Magnetostatic determination of variations of internal stress in magnetic steels. <i>AIP Advances</i> , 2020 , 10, 115302	1.5	2
637	Direct and inverse spin Hall effects: Zeeman energy. <i>Journal of Magnetism and Magnetic Materials</i> , 2020 , 500, 166369	2.8	1
636	Effect of preparation methods on magnetic properties of stoichiometric zinc ferrite. <i>Journal of Alloys and Compounds</i> , 2020 , 849, 156353	5.7	8
635	Spin imbalance of charge carriers induced by an electric current. <i>Journal of Magnetism and Magnetic Materials</i> , 2020 , 496, 165904	2.8	
634	Scattering of Microwaves by a Passive Array Antenna Based on Amorphous Ferromagnetic Microwires for Wireless Sensors with Biomedical Applications. <i>Sensors</i> , 2019 , 19,	3.8	4
633	Magnetic Phase Diagram of Nanostructured Zinc Ferrite as a Function of Inversion Degree \square <i>Journal of Physical Chemistry C</i> , 2019 , 123, 17472-17482	3.8	16
632	A New Approach to Shortest Route Finding in a Railway Network with Two Track Gauges and Gauge Changeovers. <i>Mathematical Problems in Engineering</i> , 2019 , 2019, 1-16	1.1	1
631	Optimization of tunable GHz micro-antennas based on Giant magnetoimpedance. <i>Journal of Magnetism and Magnetic Materials</i> , 2019 , 469, 289-295	2.8	6
630	Magnon-mediated magnetoresistance in layered manganites. <i>Physical Review B</i> , 2019 , 99,	3.3	2
629	CF4J: Collaborative filtering for Java. <i>Knowledge-Based Systems</i> , 2018 , 152, 94-99	7.3	25

628	A simple vibrating sample magnetometer for macroscopic samples. <i>Review of Scientific Instruments</i> , 2018 , 89, 034707	1.7	11
627	. <i>IEEE Access</i> , 2018 , 6, 3549-3564	3.5	34
626	Synthesis of hybrid magneto-plasmonic nanoparticles with potential use in photoacoustic detection of circulating tumor cells. <i>Mikrochimica Acta</i> , 2018 , 185, 130	5.8	14
625	A recommender system for train routing: When concatenating two minimum length paths is not the minimum length path. <i>Applied Mathematics and Computation</i> , 2018 , 319, 486-498	2.7	2
624	Hybrid nanoparticles for magnetic and plasmonic hyperthermia. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 24065-24073	3.6	14
623	A New Algebraic Approach to Decision Making in a Railway Interlocking System Based on Preprocess. <i>Mathematical Problems in Engineering</i> , 2018 , 2018, 1-14	1.1	2
622	High Frequency Hysteresis Losses on Fe ₃ O ₄ and Fe ₃ O ₄ /SiO ₂ Susceptibility as a Magnetic Stamp for Chain Formation. <i>Nanomaterials</i> , 2018 , 8,	5.4	29
621	Surface Ferromagnetism in Pr _{0.5} Ca _{0.5} MnO ₃ Nanoparticles as a Consequence of Local Imbalance in Mn ³⁺ :Mn ⁴⁺ Ratio. <i>Chemistry of Materials</i> , 2018 , 30, 7138-7145	9.6	12
620	Influence of order-disorder effects on the magnetic and optical properties of NiFe ₂ O ₄ nanoparticles. <i>Ceramics International</i> , 2018 , 44, 17290-17297	5.1	48
619	Formation of a magnetite/hematite epitaxial bilayer generated with low energy ion bombardment. <i>Applied Physics Letters</i> , 2017 , 110, 093103	3.4	8
618	Note: On the study of metal/oxide hybrid ferromagnets with magneto-optical techniques. <i>Review of Scientific Instruments</i> , 2017 , 88, 086102	1.7	
617	Tuning Metamaterials by using Amorphous Magnetic Microwires. <i>Scientific Reports</i> , 2017 , 7, 9394	4.9	11
616	Influence of electrodes on the 448 kHz electric currents created by radiofrequency: A finite element study. <i>Electromagnetic Biology and Medicine</i> , 2017 , 36, 306-314	2.2	2
615	Tuning the magnetic properties of pure hafnium by high pressure torsion. <i>Acta Materialia</i> , 2017 , 123, 206-213	8.4	11
614	A probabilistic model for recommending to new cold-start non-registered users. <i>Information Sciences</i> , 2017 , 376, 216-232	7.7	22
613	Colloidal Nanoparticle Clusters to produce large FePt nanocrystals. <i>Materials and Design</i> , 2017 , 113, 391-396	8.96	4
612	Multi-criteria Recommendations through Preference Learning 2017 ,		9
611	Measurement of the magnetic permeability of amorphous magnetic microwires by using their antenna resonance. <i>Review of Scientific Instruments</i> , 2017 , 88, 124704	1.7	3

610	An algebraic approach for detecting nearly dangerous situations in expert systems. <i>Mathematics and Computers in Simulation</i> , 2016 , 129, 81-93	3.3	
609	Onset of room temperature ferromagnetism by plastic deformation in three paramagnetic pure metals. <i>Scripta Materialia</i> , 2016 , 118, 41-45	5.6	4
608	A non negative matrix factorization for collaborative filtering recommender systems based on a Bayesian probabilistic model. <i>Knowledge-Based Systems</i> , 2016 , 97, 188-202	7.3	172
607	Improving the magnetic heating by disaggregating nanoparticles. <i>Journal of Alloys and Compounds</i> , 2016 , 663, 636-644	5.7	49
606	Human Immunodeficiency Virus/Hepatitis C Virus Coinfection in Spain: Prevalence and Patient Characteristics. <i>Open Forum Infectious Diseases</i> , 2016 , 3, ofw059	1	28
605	Comparison of FePt and Pt Nanostructures for Oxygen Reduction Reaction in Basic Medium. <i>Electrocatalysis</i> , 2016 , 7, 262-268	2.7	3
604	Recommending items to group of users using Matrix Factorization based Collaborative Filtering. <i>Information Sciences</i> , 2016 , 345, 313-324	7.7	95
603	Tuned scattering of Electromagnetic Waves by a Finite Length Ferromagnetic Microwire. <i>IEEE Transactions on Antennas and Propagation</i> , 2016 , 64, 1112-1115	4.9	20
602	Experimental Evidence of the Origin of Nanophase Separation in Low Hole-Doped Colossal Magnetoresistant Manganites. <i>Nano Letters</i> , 2016 , 16, 760-5	11.5	2
601	Development of a Telemetric System for Postoperative Follow-up of Vascular Surgery Procedures: In Vitro Model. <i>Journal of the American Heart Association</i> , 2016 , 5,	6	6
600	A natural language for implementing algebraically Expert Systems. <i>Mathematics and Computers in Simulation</i> , 2016 , 129, 31-49	3.3	
599	Short range order fluctuations and itinerant ferromagnetism in Ni ₃ Al. <i>Solid State Communications</i> , 2015 , 201, 111-114	1.6	2
598	Superparamagnetic response of zinc ferrite incrustated nanoparticles. <i>Journal of Alloys and Compounds</i> , 2015 , 637, 443-448	5.7	10
597	Particle Interactions in Liquid Magnetic Colloids by Zero Field Cooled Measurements: Effects on Heating Efficiency. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 11022-11030	3.8	42
596	Optical Resonances of Colloidal Gold Nanorods: From Seeds to Chemically Thiolated Long Nanorods. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 7856-7864	3.8	8
595	Memory-endowed US cities and their demographic interactions. <i>Journal of the Royal Society Interface</i> , 2015 , 12, 20141185	4.1	6
594	An algebraic model for implementing expert systems based on the knowledge of different experts. <i>Mathematics and Computers in Simulation</i> , 2015 , 107, 92-107	3.3	4
593	Liquid pressure wireless sensor based on magnetostrictive microwires for applications in cardiovascular localized diagnostic. <i>AIP Advances</i> , 2015 , 5, 087132	1.5	12

592	Chemically synthesized AuFe ₃ O ₄ nanostructures with controlled optical and magnetic properties. <i>Journal Physics D: Applied Physics</i> , 2015 , 48, 035502	3	15
591	Outstanding Atomic Order in Ruddlesden-Popper Oxide Microcrystals. <i>Chemistry of Materials</i> , 2015 , 27, 1397-1404	9.6	8
590	Low temperature magnetic behaviour of glass-covered magnetic microwires with gradient nanocrystalline microstructure. <i>Journal of Applied Physics</i> , 2014 , 115, 033903	2.5	11
589	Physico-Chemical Characteristics of Gold Nanoparticles. <i>Comprehensive Analytical Chemistry</i> , 2014 , 66, 81-152	1.9	19
588	Using Hierarchical Graph Maps to Explain Collaborative Filtering Recommendations. <i>International Journal of Intelligent Systems</i> , 2014 , 29, 462-477	8.4	6
587	On the stability of AuFe alloy nanoparticles. <i>Nanotechnology</i> , 2014 , 25, 215703	3.4	8
586	Effects of grain boundary width and crystallite size on conductivity and magnetic properties of magnetite nanoparticles. <i>Journal of Nanoparticle Research</i> , 2014 , 16, 1	2.3	33
585	Clustering strategies for optimal trial selection in multisensor environments. An eigenvector based approach. <i>Journal of Neuroscience Methods</i> , 2014 , 222, 1-14	3	3
584	Revisiting four-valued logics from Maple using the Logics Explorer package. <i>Mathematics and Computers in Simulation</i> , 2014 , 104, 31-42	3.3	
583	Possibilities of RutasOptiRed Package. <i>Procedia, Social and Behavioral Sciences</i> , 2014 , 160, 102-111		1
582	Giant diamagnetism of gold nanorods. <i>New Journal of Physics</i> , 2014 , 16, 073043	2.9	5
581	Polidocanol foam stability in terms of its association with glycerin. <i>Phlebology</i> , 2014 , 29, 304-9	2	16
580	Unexpected ferromagnetic ordering enhancement with crystallite size growth observed in La _{0.5} Ca _{0.5} MnO ₃ nanoparticles. <i>Journal of Applied Physics</i> , 2014 , 116, 113901	2.5	22
579	Stress and field contactless sensor based on the scattering of electromagnetic waves by a single ferromagnetic microwire. <i>Applied Physics Letters</i> , 2014 , 105, 092405	3.4	25
578	Microwire composite electromagnetic parameters extraction by waveguide measurements at X-band. <i>Journal of Electromagnetic Waves and Applications</i> , 2014 , 28, 202-213	1.3	3
577	Space-time correlations in urban sprawl. <i>Journal of the Royal Society Interface</i> , 2014 , 11, 20130930	4.1	10
576	Hierarchical graph maps for visualization of collaborative recommender systems. <i>Journal of Information Science</i> , 2014 , 40, 97-106	2	12
575	Magnetism, microstructure and First Principles calculations of atomized and annealed Ni ₃ Al. <i>Journal of Alloys and Compounds</i> , 2014 , 615, S645-S647	5.7	3

574	An approach from answer set programming to decision making in a railway interlocking system. <i>Revista De La Real Academia De Ciencias Exactas, Fisicas Y Naturales - Serie A: Matematicas</i> , 2014 , 108, 973-987	1.6	4
573	A Simple GUI for Developing Applications That Use Mathematical Software Systems. <i>Lecture Notes in Computer Science</i> , 2014 , 99-119	0.9	
572	Magnetoresistance and Ferromagnetism in Disordered LaCu _{0.5} Mn _{0.5} O ₃ Perovskite. <i>Chemistry of Materials</i> , 2013 , 25, 2100-2108	9.6	9
571	A similarity metric designed to speed up, using hardware, the recommender systems k-nearest neighbors algorithm. <i>Knowledge-Based Systems</i> , 2013 , 51, 27-34	7.3	33
570	Incorporating group recommendations to recommender systems: Alternatives and performance. <i>Information Processing and Management</i> , 2013 , 49, 895-901	6.3	37
569	Bias free magnetomechanical coupling on magnetic microwires for sensing applications. <i>Applied Physics Letters</i> , 2013 , 103, 142414	3.4	20
568	Magnetism in nanoparticles: tuning properties with coatings. <i>Journal of Physics Condensed Matter</i> , 2013 , 25, 484006	1.8	38
567	Surprising resistivity decrease in manganites with constant electronic density. <i>Journal of Physics Condensed Matter</i> , 2013 , 25, 484002	1.8	1
566	Calculating the Exploitation Costs of Trains in the Spanish Railways. <i>Computing in Science and Engineering</i> , 2013 , 15, 89-95	1.5	7
565	Incorporating reliability measurements into the predictions of a recommender system. <i>Information Sciences</i> , 2013 , 218, 1-16	7.7	44
564	Trees for explaining recommendations made through collaborative filtering. <i>Information Sciences</i> , 2013 , 239, 1-17	7.7	14
563	Recommender systems survey. <i>Knowledge-Based Systems</i> , 2013 , 46, 109-132	7.3	1687
562	Room-Temperature Ferromagnetism in Reduced Rutile TiO ₂ Nanoparticles. <i>Journal of Physical Chemistry Letters</i> , 2013 , 4, 2171-2176	6.4	48
561	Scale-invariance underlying the logistic equation and its social applications. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2013 , 377, 176-180	2.3	8
560	FePt magnetic particles prepared by surfactant-assisted ball milling. <i>Journal of Magnetism and Magnetic Materials</i> , 2013 , 343, 228-233	2.8	3
559	The workings of the maximum entropy principle in collective human behaviour. <i>Journal of the Royal Society Interface</i> , 2013 , 10, 20120758	4.1	22
558	Magnetoelastic coupling in strained La _{0.7} Ca _{0.3} MnO ₃ //BaTiO ₃ Thin Films. <i>Materials Research Society Symposia Proceedings</i> , 2013 , 1587, 1		
557	Magnetoelastic coupling in La _{0.7} Ca _{0.3} MnO ₃ /BaTiO ₃ ultrathin films. <i>Physical Review B</i> , 2013 , 88,	3.3	6

556	Coercivity and its thermal dependence in microsized magnetic particles: Influence of grain boundaries. <i>Journal of Applied Physics</i> , 2013 , 113, 043909	2.5	1
555	Collaborative filtering based on significances. <i>Information Sciences</i> , 2012 , 185, 1-17	7.7	93
554	A collaborative filtering similarity measure based on singularities. <i>Information Processing and Management</i> , 2012 , 48, 204-217	6.3	113
553	Generalization of recommender systems: Collaborative filtering extended to groups of users and restricted to groups of items. <i>Expert Systems With Applications</i> , 2012 , 39, 172-186	7.8	28
552	A collaborative filtering approach to mitigate the new user cold start problem. <i>Knowledge-Based Systems</i> , 2012 , 26, 225-238	7.3	275
551	Comparison and improvements of LCMV and MUSIC source localization techniques for use in real clinical environments. <i>Journal of Neuroscience Methods</i> , 2012 , 205, 312-23	3	2
550	A geometric approach to the estimation of radial railway network improvement. <i>Revista De La Real Academia De Ciencias Exactas, Fisicas Y Naturales - Serie A: Matematicas</i> , 2012 , 106, 35-46	1.6	2
549	Optimal Route Finding and Rolling-Stock Selection for the Spanish Railways. <i>Computing in Science and Engineering</i> , 2012 , 14, 82-89	1.5	5
548	Fluorescence emission of Ca-atom from photodissociated Ca ₂ in Ar-doped helium droplets. I. Experimental. <i>Journal of Chemical Physics</i> , 2012 , 137, 184310	3.9	5
547	Study of Heating Efficiency as a Function of Concentration, Size, and Applied Field in Fe ₂ O ₃ Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 25602-25610	3.8	205
546	A logic-algebraic approach to decision taking in a railway interlocking system. <i>Annals of Mathematics and Artificial Intelligence</i> , 2012 , 65, 317-328	0.8	7
545	A Gröbner bases-based rule based expert system for fibromyalgia diagnosis. <i>Revista De La Real Academia De Ciencias Exactas, Fisicas Y Naturales - Serie A: Matematicas</i> , 2012 , 106, 443-456	1.6	11
544	Temperature dependence of the coercive field of gas atomized Fe _{73.5} Si _{13.5} B ₉ Nb ₃ Cu ₁ . <i>Journal of Alloys and Compounds</i> , 2012 , 536, S300-S303	5.7	4
543	MaxEnt and dynamical information. <i>European Physical Journal B</i> , 2012 , 85, 1	1.2	16
542	Pressure effects on the magnetic properties of FeCuZr studied by x-ray magnetic circular dichroism: Evidence of weakening of ferromagnetism in FeCuZr alloys. <i>Applied Physics Letters</i> , 2012 , 101, 022412	3.4	2
541	A balanced memory-based collaborative filtering similarity measure. <i>International Journal of Intelligent Systems</i> , 2012 , 27, 939-946	8.4	21
540	Variational principle underlying scale invariant social systems. <i>European Physical Journal B</i> , 2012 , 85, 1	1.2	8
539	Synthesis and characterization of FePt nanoparticles by high energy ball milling with and without surfactant. <i>Journal of Alloys and Compounds</i> , 2012 , 536, S13-S16	5.7	13

538	Correlation between anomalous temperature thermoremanence dependence measurements and thermal dilation in FeCuZr alloys. <i>Journal of Alloys and Compounds</i> , 2012 , 536, S386-S388	5.7	
537	Stair-like Metamagnetic Transition Induced by Controlled Introduction of Oxygen Deficiency in La _{0.5} Ca _{0.5} MnO ₃ <i>Chemistry of Materials</i> , 2012 , 24, 2519-2526	9.6	14
536	sp magnetism in clusters of gold thiolates. <i>New Journal of Physics</i> , 2012 , 14, 013064	2.9	14
535	Fluorescence emission of Ca-atom from photodissociated Ca ₂ in Ar doped helium droplets. II. Theoretical. <i>Journal of Chemical Physics</i> , 2012 , 137, 184311	3.9	6
534	Anomalous low temperature stair like coercivity decrease due to magnetostatic coupling between superconducting and ferromagnetic particles in mixed powders. <i>Journal of Applied Physics</i> , 2012 , 112, 013912	2.5	
533	Thermodynamics of urban population flows. <i>Physical Review E</i> , 2012 , 86, 066105	2.4	8
532	Two dimensional electron gas confined over a spherical surface: Magnetic moment. <i>Journal of Physics: Conference Series</i> , 2011 , 292, 012005	0.3	3
531	Magnetic Capsules for NMR Imaging: Effect of Magnetic Nanoparticles Spatial Distribution and Aggregation. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 6257-6264	3.8	72
530	Thermal Evolution of Pt-Rich FePt/Fe ₃ O ₄ Heterodimers Studied Using X-ray Absorption Near-Edge Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 5500-5508	3.8	25
529	Exotic magnetic anisotropy map in epitaxial La _{0.7} Ca _{0.3} MnO ₃ films on BaTiO ₃ . <i>Physical Review B</i> , 2011 , 84,	3.3	14
528	A logic approach to decision taking in a railway interlocking system using Maple. <i>Mathematics and Computers in Simulation</i> , 2011 , 82, 15-28	3.3	16
527	A new algebraic model for implementing expert systems represented under the Concept-Attribute-Value paradigm. <i>Mathematics and Computers in Simulation</i> , 2011 , 82, 29-43	3.3	3
526	A framework for collaborative filtering recommender systems. <i>Expert Systems With Applications</i> , 2011 , 38, 14609-14623	7.8	74
525	A Polynomial Model for Logics with a Prime Power Number of Truth Values. <i>Journal of Automated Reasoning</i> , 2011 , 46, 205-221	1	8
524	Magnetism induced by capping of non-magnetic ZnO nanoparticles. <i>Journal of Nanoparticle Research</i> , 2011 , 13, 5595-5602	2.3	11
523	The Logics Explorer: a Maple package for exploring finite many-valued propositional logics. <i>Revista De La Real Academia De Ciencias Exactas, Fisicas Y Naturales - Serie A: Matematicas</i> , 2011 , 105, 323-337	1.6	
522	On the existence of solutions in systems of linear Diophantine equations. <i>Revista De La Real Academia De Ciencias Exactas, Fisicas Y Naturales - Serie A: Matematicas</i> , 2011 , 105, 223-245	1.6	
521	Revisiting magnetism of capped Au and ZnO nanoparticles: Surface band structure and atomic orbital with giant magnetic moment. <i>Physica Status Solidi (B): Basic Research</i> , 2011 , 248, 2352-2360	1.3	40

520	Magnetoresistance in La _{0.5} Sr _{0.5} MnO _{2.5} . <i>Chemistry - A European Journal</i> , 2011 , 17, 2709-15	4.8	6
519	Grand Canonical Monte Carlo study of argon adsorption in aluminium nanopores. <i>Molecular Physics</i> , 2011 , 109, 2787-2796	1.7	14
518	Improving collaborative filtering recommender system results and performance using genetic algorithms. <i>Knowledge-Based Systems</i> , 2011 , 24, 1310-1316	7.3	138
517	Effect of accompanying antiretroviral drugs on virological response to pegylated interferon and ribavirin in patients co-infected with HIV and hepatitis C virus. <i>Journal of Antimicrobial Chemotherapy</i> , 2011 , 66, 2843-9	5.1	12
516	Extended Precision Quality Measure for Recommender Systems. <i>Lecture Notes in Computer Science</i> , 2011 , 433-442	0.9	
515	Direct measurements of the correlation between reentrant ferromagnetism and lattice expansion in FeCuZr alloys. <i>Physical Review B</i> , 2010 , 82,	3.3	6
514	Magnetometry and electron paramagnetic resonance studies of phosphine- and thiol-capped gold nanoparticles. <i>Journal of Applied Physics</i> , 2010 , 107, 064303	2.5	10
513	HELIUM ON NANOPATTERNED SURFACES AT FINITE TEMPERATURE. <i>International Journal of Modern Physics B</i> , 2010 , 24, 4915-4922	1.1	
512	An algebraic approach to rule based expert systems. <i>Revista De La Real Academia De Ciencias Exactas, Fisicas Y Naturales - Serie A: Matematicas</i> , 2010 , 104, 19-40	1.6	15
511	Hole and electron attractor model: An explanation of clustered states in manganites. <i>Progress in Solid State Chemistry</i> , 2010 , 38, 38-45	8	3
510	Absorption Spectrum of Na Atoms Attached to Helium Nanodroplets. <i>Journal of Low Temperature Physics</i> , 2010 , 158, 105-111	1.3	26
509	High magnetomechanical coupling on magnetic microwire for sensors with biological applications. <i>Applied Physics Letters</i> , 2010 , 96, 262512	3.4	24
508	Unravelling the size distribution of social groups with information theory in complex networks. <i>European Physical Journal B</i> , 2010 , 76, 87-97	1.2	27
507	Infrared Absorption and Emission Spectrum of Electron Bubbles Attached to Linear Vortices in Liquid 4He. <i>Journal of Low Temperature Physics</i> , 2010 , 158, 397-403	1.3	5
506	Permanent magnetism in phosphine- and chlorine-capped gold: from clusters to nanoparticles. <i>Journal of Nanoparticle Research</i> , 2010 , 12, 1307-1318	2.3	19
505	Fisher information and the thermodynamics of scale-invariant systems. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2010 , 389, 490-498	3.3	14
504	An accelerated-time microscopic simulation of a dedicated freight double-track railway line. <i>Mathematical and Computer Modelling</i> , 2010 , 51, 1160-1169		10
503	Microwave attenuation with composite of copper microwires. <i>Journal of Magnetism and Magnetic Materials</i> , 2010 , 322, 1505-1510	2.8	13

502	An algebraic approach to rule based expert systems 2010 , 104, 19		1
501	Collaborative Filtering Based on Choosing a Different Number of Neighbors for Each User 2010 , 317-330		1
500	Helium on planar and nanostructured alkali-metal surfaces. <i>Physical Review B</i> , 2009 , 79,	3-3	15
499	Calcium atoms attached to mixed helium droplets: A probe for the H3e-H4e interface. <i>Physical Review B</i> , 2009 , 79,	3-3	28
498	Stress-induced large Curie temperature enhancement in Fe ₆₄ Ni ₃₆ Invar alloy. <i>Physical Review B</i> , 2009 , 80,	3-3	58
497	Pegylated interferon α 2a plus ribavirin versus pegylated interferon α 2b plus ribavirin for the treatment of chronic hepatitis C in HIV-infected patients. <i>Journal of Antimicrobial Chemotherapy</i> , 2009 , 63, 1256-63	5-1	49
496	XANES experimental evidence of double exchange in ferromagnetic MnZnO. <i>Advances in Applied Ceramics</i> , 2009 , 108, 263-266	2-3	
495	A Groebner bases-based approach to backward reasoning in rule based expert systems. <i>Annals of Mathematics and Artificial Intelligence</i> , 2009 , 56, 297-311	0.8	9
494	New methods for proving the impossibility to solve problems through reduction of problem spaces. <i>Annals of Mathematics and Artificial Intelligence</i> , 2009 , 57, 205-231	0.8	1
493	Zipf's law from a Fisher variational-principle. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2009 , 374, 18-21	2-3	20
492	A technique for dynamically measuring and modifying relevance while problem solving. <i>Revista De La Real Academia De Ciencias Exactas, Fisicas Y Naturales - Serie A: Matematicas</i> , 2009 , 103, 111-124	1.6	
491	Determination of gluten in glucose syrups. <i>Journal of Food Composition and Analysis</i> , 2009 , 22, 762-765	4-1	17
490	Collaborative filtering adapted to recommender systems of e-learning. <i>Knowledge-Based Systems</i> , 2009 , 22, 261-265	7-3	171
489	Showing the non-existence of solutions in systems of linear Diophantine equations. <i>Mathematics and Computers in Simulation</i> , 2009 , 79, 3211-3220	3-3	3
488	Stress-induced Curie temperature increase in the Fe ₆₄ Ni ₃₆ invar alloy. <i>Physica Status Solidi - Rapid Research Letters</i> , 2009 , 3, 115-117	2-5	13
487	Gold nanoparticles generated in ethosome bilayers, as revealed by cryo-electron-tomography. <i>Journal of Physical Chemistry B</i> , 2009 , 113, 3051-7	3-4	23
486	Relaxation times of colloidal iron platinum in polymer matrixes. <i>Journal of Materials Chemistry</i> , 2009 , 19, 6381		17
485	Enhanced magnetic properties of FeCo ribbons nanocrystallized in magnetic field. <i>Applied Physics Letters</i> , 2009 , 94, 122507	3-4	23

484	Interplay between the magnetic anisotropy contributions of cobalt nanowires. <i>Physical Review B</i> , 2009 , 80,	3.3	68
483	Complex solvation of Mg atoms in 4He nanodroplets. <i>Journal of Physics: Conference Series</i> , 2009 , 150, 032003	0.3	2
482	Size Dependent Ferromagnetic-Like Behavior in Thiol Capped Gold Nanoparticles. <i>Science of Advanced Materials</i> , 2009 , 1, 241-248	2.3	9
481	Microwave Power Absorption by Microwires Under Tensile Stress. <i>Sensor Letters</i> , 2009 , 7, 232-235	0.9	6
480	Ligand Exchange in Gold-Coated FePt Nanoparticles. <i>IEEE Transactions on Magnetics</i> , 2008 , 44, 2816-2819		11
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