

Antonio Hernando Esteban

List of Publications by Year in descending order

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656
papers

18,611
citations

20759

60
h-index

22764

112
g-index

672
all docs

672
docs citations

672
times ranked

12673
citing authors

#	ARTICLE	IF	CITATIONS
1	Coexistence of antiferro- and ferrimagnetism in the spinel ZnFe ₂ O ₄ with an inversion degree $\hat{\nu}$ lower than 0.3. <i>Ceramics International</i> , 2022, 48, 12048-12055.	2.3	8
2	Unveiling the Hidden Entropy in ZnFe ₂ O ₄ . <i>Materials</i> , 2022, 15, 1198.	1.3	4
3	Ferrimagnetic Clusters as the Origin of Anomalous Curie-Weiss Behavior in ZnFe ₂ O ₄ Antiferromagnetic Susceptibility. <i>Materials</i> , 2022, 15, 4789.	1.3	1
4	Time-dependent AC magnetometry and chain formation in magnetite: the influence of particle size, initial temperature and the shortening of the relaxation time by the applied field. <i>Nanoscale Advances</i> , 2021, 3, 5801-5812.	2.2	12
5	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.	0.3	0
6	Boosting the Tunable Microwave Scattering Signature of Sensing Array Platforms Consisting of Amorphous Ferromagnetic Fe _{2.25} Co _{72.75} Si ₁₀ B ₁₅ Microwires and Its Amplification by Intercalating Cu Microwires. <i>Nanomaterials</i> , 2021, 11, 920.	1.9	7
7	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, .	1.1	3
8	10.1063/5.0050402.1. , 2021, , .		0
9	Spin imbalance of charge carriers induced by an electric current. <i>Journal of Magnetism and Magnetic Materials</i> , 2020, 496, 165904.	1.0	0
10	Direct and inverse spin Hall effects: Zeeman energy. <i>Journal of Magnetism and Magnetic Materials</i> , 2020, 500, 166369.	1.0	1
11	Effect of preparation methods on magnetic properties of stoichiometric zinc ferrite. <i>Journal of Alloys and Compounds</i> , 2020, 849, 156353.	2.8	26
12	Diagnosis in Tennis Serving Technique. <i>Algorithms</i> , 2020, 13, 106.	1.2	6
13	Colossal heating efficiency via eddy currents in amorphous microwires with nearly zero magnetostriction. <i>Scientific Reports</i> , 2020, 10, 602.	1.6	15
14	Magnetostatic determination of variations of internal stress in magnetic steels. <i>AIP Advances</i> , 2020, 10, 115302.	0.6	3
15	Scattering of Microwaves by a Passive Array Antenna Based on Amorphous Ferromagnetic Microwires for Wireless Sensors with Biomedical Applications. <i>Sensors</i> , 2019, 19, 3060.	2.1	9
16	Magnetic Phase Diagram of Nanostructured Zinc Ferrite as a Function of Inversion Degree $\hat{\nu}$. <i>Journal of Physical Chemistry C</i> , 2019, 123, 17472-17482.	1.5	31
17	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.	0.6	3
18	Optimization of tunable GHz micro-antennas based on Giant magnetoimpedance. <i>Journal of Magnetism and Magnetic Materials</i> , 2019, 469, 289-295.	1.0	7

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19	Magnon-mediated magnetoresistance in layered manganites. <i>Physical Review B</i> , 2019, 99, .	1.1	3
20	CF4J: Collaborative filtering for Java. <i>Knowledge-Based Systems</i> , 2018, 152, 94-99.	4.0	32
21	A simple vibrating sample magnetometer for macroscopic samples. <i>Review of Scientific Instruments</i> , 2018, 89, 034707.	0.6	27
22	Recommender Systems Clustering Using Bayesian Non Negative Matrix Factorization. <i>IEEE Access</i> , 2018, 6, 3549-3564.	2.6	56
23	Synthesis of hybrid magneto-plasmonic nanoparticles with potential use in photoacoustic detection of circulating tumor cells. <i>Mikrochimica Acta</i> , 2018, 185, 130.	2.5	19
24	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.	1.4	2
25	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.	0.6	5
26	High Frequency Hysteresis Losses on $\hat{1}^3\text{-Fe}_2\text{O}_3$ and Fe_3O_4 : Susceptibility as a Magnetic Stamp for Chain Formation. <i>Nanomaterials</i> , 2018, 8, 970.	1.9	48
27	Surface Ferromagnetism in $\text{Pr}_{0.5}\text{Ca}_{0.5}\text{MnO}_3$ Nanoparticles as a Consequence of Local Imbalance in $\text{Mn}^{3+}:\text{Mn}^{4+}$ Ratio. <i>Chemistry of Materials</i> , 2018, 30, 7138-7145.	3.2	18
28	Influence of order-disorder effects on the magnetic and optical properties of NiFe_2O_4 nanoparticles. <i>Ceramics International</i> , 2018, 44, 17290-17297.	2.3	81
29	Hybrid nanoparticles for magnetic and plasmonic hyperthermia. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 24065-24073.	1.3	23
30	Formation of a magnetite/hematite epitaxial bilayer generated with low energy ion bombardment. <i>Applied Physics Letters</i> , 2017, 110, .	1.5	9
31	Note: On the study of metal/oxide hybrid ferromagnets with magneto-optical techniques. <i>Review of Scientific Instruments</i> , 2017, 88, 086102.	0.6	0
32	Tuning Metamaterials by using Amorphous Magnetic Microwires. <i>Scientific Reports</i> , 2017, 7, 9394.	1.6	13
33	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.	0.7	4
34	Tuning the magnetic properties of pure hafnium by high pressure torsion. <i>Acta Materialia</i> , 2017, 123, 206-213.	3.8	14
35	A probabilistic model for recommending to new cold-start non-registered users. <i>Information Sciences</i> , 2017, 376, 216-232.	4.0	31
36	Colloidal Nanoparticle Clusters to produce large FePt nanocrystals. <i>Materials and Design</i> , 2017, 113, 391-396.	3.3	4

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37	Multi-criteria Recommendations through Preference Learning. , 2017, , .		9
38	Measurement of the magnetic permeability of amorphous magnetic microwires by using their antenna resonance. Review of Scientific Instruments, 2017, 88, 124704.	0.6	4
39	Development of a Telemetric System for Postoperative Follow-up of Vascular Surgery Procedures: In Vitro Model. Journal of the American Heart Association, 2016, 5, .	1.6	7
40	A natural language for implementing algebraically Expert Systems. Mathematics and Computers in Simulation, 2016, 129, 31-49.	2.4	1
41	An algebraic approach for detecting nearly dangerous situations in expert systems. Mathematics and Computers in Simulation, 2016, 129, 81-93.	2.4	0
42	Onset of room temperature ferromagnetism by plastic deformation in three paramagnetic pure metals. Scripta Materialia, 2016, 118, 41-45.	2.6	6
43	A non negative matrix factorization for collaborative filtering recommender systems based on a Bayesian probabilistic model. Knowledge-Based Systems, 2016, 97, 188-202.	4.0	234
44	Improving the magnetic heating by disaggregating nanoparticles. Journal of Alloys and Compounds, 2016, 663, 636-644.	2.8	61
45	Human Immunodeficiency Virus/Hepatitis C Virus Coinfection in Spain: Prevalence and Patient Characteristics. Open Forum Infectious Diseases, 2016, 3, ofw059.	0.4	34
46	Comparison of FePt and Pt Nanostructures for Oxygen Reduction Reaction in Basic Medium. Electrocatalysis, 2016, 7, 262-268.	1.5	5
47	Recommending items to group of users using Matrix Factorization based Collaborative Filtering. Information Sciences, 2016, 345, 313-324.	4.0	128
48	Tuned scattering of Electromagnetic Waves by a Finite Length Ferromagnetic Microwire. IEEE Transactions on Antennas and Propagation, 2016, 64, 1112-1115.	3.1	23
49	Experimental Evidence of the Origin of Nanophase Separation in Low Hole-Doped Colossal Magneto-resistant Manganites. Nano Letters, 2016, 16, 760-765.	4.5	4
50	Liquid pressure wireless sensor based on magnetostrictive microwires for applications in cardiovascular localized diagnostic. AIP Advances, 2015, 5, .	0.6	14
51	Nanocrystalline soft magnetic ribbons and microwires: Towards future developments in energy related applications. , 2015, , .		0
52	Chemically synthesized Au-Fe ₃ O ₄ nanostructures with controlled optical and magnetic properties. Journal Physics D: Applied Physics, 2015, 48, 035502.	1.3	17
53	Outstanding Atomic Order in Ruddlesden-Popper Oxide Microcrystals. Chemistry of Materials, 2015, 27, 1397-1404.	3.2	9
54	Short range order fluctuations and itinerant ferromagnetism in Ni ₃ Al. Solid State Communications, 2015, 201, 111-114.	0.9	2

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55	Superparamagnetic response of zinc ferrite incusted nanoparticles. Journal of Alloys and Compounds, 2015, 637, 443-448.	2.8	13
56	Particle Interactions in Liquid Magnetic Colloids by Zero Field Cooled Measurements: Effects on Heating Efficiency. Journal of Physical Chemistry C, 2015, 119, 11022-11030.	1.5	49
57	Optical Resonances of Colloidal Gold Nanorods: From Seeds to Chemically Thiolated Long Nanorods. Journal of Physical Chemistry C, 2015, 119, 7856-7864.	1.5	9
58	Memory-endowed US cities and their demographic interactions. Journal of the Royal Society Interface, 2015, 12, 20141185.	1.5	6
59	An algebraic model for implementing expert systems based on the knowledge of different experts. Mathematics and Computers in Simulation, 2015, 107, 92-107.	2.4	6
60	Giant diamagnetism of gold nanorods. New Journal of Physics, 2014, 16, 073043.	1.2	5
61	Polidocanol foam stability in terms of its association with glycerin. Phlebology, 2014, 29, 304-309.	0.6	19
62	Unexpected ferromagnetic ordering enhancement with crystallite size growth observed in La _{0.5} Ca _{0.5} MnO ₃ nanoparticles. Journal of Applied Physics, 2014, 116, 113901.	1.1	23
63	Stress and field contactless sensor based on the scattering of electromagnetic waves by a single ferromagnetic microwire. Applied Physics Letters, 2014, 105, .	1.5	28
64	Microwire composite electromagnetic parameters extraction by waveguide measurements at X-band. Journal of Electromagnetic Waves and Applications, 2014, 28, 202-213.	1.0	3
65	Space-time correlations in urban sprawl. Journal of the Royal Society Interface, 2014, 11, 20130930.	1.5	11
66	Hierarchical graph maps for visualization of collaborative recommender systems. Journal of Information Science, 2014, 40, 97-106.	2.0	13
67	Magnetism, microstructure and First Principles calculations of atomized and annealed Ni ₃ Al. Journal of Alloys and Compounds, 2014, 615, S645-S647.	2.8	5
68	An approach from answer set programming to decision making in a railway interlocking system. Revista De La Real Academia De Ciencias Exactas, Fisicas Y Naturales - Serie A: Matematicas, 2014, 108, 973-987.	0.6	7
69	Low temperature magnetic behaviour of glass-covered magnetic microwires with gradient nanocrystalline microstructure. Journal of Applied Physics, 2014, 115, 033903.	1.1	13
70	Physico-Chemical Characteristics of Gold Nanoparticles. Comprehensive Analytical Chemistry, 2014, 66, 81-152.	0.7	25
71	Using Hierarchical Graph Maps to Explain Collaborative Filtering Recommendations. International Journal of Intelligent Systems, 2014, 29, 462-477.	3.3	6
72	On the stability of AuFe alloy nanoparticles. Nanotechnology, 2014, 25, 215703.	1.3	9

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73	Effects of grain boundary width and crystallite size on conductivity and magnetic properties of magnetite nanoparticles. Journal of Nanoparticle Research, 2014, 16, 1.	0.8	45
74	Clustering strategies for optimal trial selection in multisensor environments. An eigenvector based approach. Journal of Neuroscience Methods, 2014, 222, 1-14.	1.3	3
75	Revisiting four-valued logics from Maple using the Logics Explorer package. Mathematics and Computers in Simulation, 2014, 104, 31-42.	2.4	0
76	Possibilities of RutasOptiRed Package. Procedia, Social and Behavioral Sciences, 2014, 160, 102-111.	0.5	1
77	A Simple GUI for Developing Applications That Use Mathematical Software Systems. Lecture Notes in Computer Science, 2014, , 99-119.	1.0	0
78	Magnetoresistance and Ferromagnetism in Disordered LaCu _{0.5} Mn _{0.5} O ₃ Perovskite. Chemistry of Materials, 2013, 25, 2100-2108.	3.2	12
79	A similarity metric designed to speed up, using hardware, the recommender systems k-nearest neighbors algorithm. Knowledge-Based Systems, 2013, 51, 27-34.	4.0	38
80	Incorporating group recommendations to recommender systems: Alternatives and performance. Information Processing and Management, 2013, 49, 895-901.	5.4	48
81	Bias free magnetomechanical coupling on magnetic microwires for sensing applications. Applied Physics Letters, 2013, 103, .	1.5	29
82	Magnetism in nanoparticles: tuning properties with coatings. Journal of Physics Condensed Matter, 2013, 25, 484006.	0.7	46
83	Surprising resistivity decrease in manganites with constant electronic density. Journal of Physics Condensed Matter, 2013, 25, 484002.	0.7	1
84	Calculating the Exploitation Costs of Trains in the Spanish Railways. Computing in Science and Engineering, 2013, 15, 89-95.	1.2	7
85	Incorporating reliability measurements into the predictions of a recommender system. Information Sciences, 2013, 218, 1-16.	4.0	53
86	Trees for explaining recommendations made through collaborative filtering. Information Sciences, 2013, 239, 1-17.	4.0	16
87	Recommender systems survey. Knowledge-Based Systems, 2013, 46, 109-132.	4.0	2,343
88	Room-Temperature Ferromagnetism in Reduced Rutile TiO ₂ Nanoparticles. Journal of Physical Chemistry Letters, 2013, 4, 2171-2176.	2.1	53
89	Scale-invariance underlying the logistic equation and its social applications. Physics Letters, Section A: General, Atomic and Solid State Physics, 2013, 377, 176-180.	0.9	10
90	FePt magnetic particles prepared by surfactant-assisted ball milling. Journal of Magnetism and Magnetic Materials, 2013, 343, 228-233.	1.0	3

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91	The workings of the maximum entropy principle in collective human behaviour. Journal of the Royal Society Interface, 2013, 10, 20120758.	1.5	28
92	Magnetoelastic coupling in strained La _{0.7} Ca _{0.3} MnO ₃ //BaTiO ₃ Thin Films. Materials Research Society Symposia Proceedings, 2013, 1587, 1.	0.1	0
93	$\frac{Ca_{0.7}MnO_3}{BaTiO_3}$	1.1	7
94	Coercivity and its thermal dependence in microsized magnetic particles: Influence of grain boundaries. Journal of Applied Physics, 2013, 113, .	1.1	2
95	sp magnetism in clusters of gold thiolates. New Journal of Physics, 2012, 14, 013064.	1.2	16
96	Fluorescence emission of Ca-atom from photodissociated Ca ₂ in Ar doped helium droplets. II. Theoretical. Journal of Chemical Physics, 2012, 137, 184311.	1.2	6
97	Anomalous low temperature stair like coercivity decrease due to magnetostatic coupling between superconducting and ferromagnetic particles in mixed powders. Journal of Applied Physics, 2012, 112, 013912.	1.1	0
98	Thermodynamics of urban population flows. Physical Review E, 2012, 86, 066105.	0.8	9
99	Optimal Route Finding and Rolling-Stock Selection for the Spanish Railways. Computing in Science and Engineering, 2012, 14, 82-89.	1.2	6
100	Fluorescence emission of Ca-atom from photodissociated Ca ₂ in Ar-doped helium droplets. I. Experimental. Journal of Chemical Physics, 2012, 137, 184310.	1.2	5
101	Study of Heating Efficiency as a Function of Concentration, Size, and Applied Field in Fe_2O_3 Nanoparticles. Journal of Physical Chemistry C, 2012, 116, 25602-25610.	1.5	253
102	A logic-algebraic approach to decision taking in a railway interlocking system. Annals of Mathematics and Artificial Intelligence, 2012, 65, 317-328.	0.9	10
103	A Gröbner bases-based rule based expert system for fibromyalgia diagnosis. Revista De La Real Academia De Ciencias Exactas, Físicas Y Naturales - Serie A: Matemáticas, 2012, 106, 443-456.	0.6	12
104	Temperature dependence of the coercive field of gas atomized Fe _{73.5} Si _{13.5} B ₉ Nb ₃ Cu ₁ . Journal of Alloys and Compounds, 2012, 536, S300-S303.	2.8	4
105	MaxEnt and dynamical information. European Physical Journal B, 2012, 85, 1.	0.6	16
106	Pressure effects on the magnetic properties of FeCuZr studied by x-ray magnetic circular dichroism: Evidence of weakening of ferromagnetism in FeCuZr alloys. Applied Physics Letters, 2012, 101, .	1.5	2
107	A balanced memory-based collaborative filtering similarity measure. International Journal of Intelligent Systems, 2012, 27, 939-946.	3.3	28
108	Variational principle underlying scale invariant social systems. European Physical Journal B, 2012, 85, 1.	0.6	8

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109	Synthesis and characterization of FePt nanoparticles by high energy ball milling with and without surfactant. Journal of Alloys and Compounds, 2012, 536, S13-S16.	2.8	15
110	Correlation between anomalous temperature thermoremanence dependence measurements and thermal dilation in FeCuZr alloys. Journal of Alloys and Compounds, 2012, 536, S386-S388.	2.8	0
111	Stair-like Metamagnetic Transition Induced by Controlled Introduction of Oxygen Deficiency in $\text{La}_{0.5}\text{Ca}_{0.5}\text{MnO}_3$. Chemistry of Materials, 2012, 24, 2519-2526.	3.2	14
112	Collaborative filtering based on significances. Information Sciences, 2012, 185, 1-17.	4.0	109
113	A collaborative filtering similarity measure based on singularities. Information Processing and Management, 2012, 48, 204-217.	5.4	134
114	Generalization of recommender systems: Collaborative filtering extended to groups of users and restricted to groups of items. Expert Systems With Applications, 2012, 39, 172-186.	4.4	39
115	A collaborative filtering approach to mitigate the new user cold start problem. Knowledge-Based Systems, 2012, 26, 225-238.	4.0	378
116	Comparison and improvements of LCMV and MUSIC source localization techniques for use in real clinical environments. Journal of Neuroscience Methods, 2012, 205, 312-323.	1.3	2
117	A geometric approach to the estimation of radial railway network improvement. Revista De La Real Academia De Ciencias Exactas, Fisicas Y Naturales - Serie A: Matematicas, 2012, 106, 35-46.	0.6	2
118	Grand Canonical Monte Carlo study of argon adsorption in aluminium nanopores. Molecular Physics, 2011, 109, 2787-2796.	0.8	16
119	Two dimensional electron gas confined over a spherical surface: Magnetic moment. Journal of Physics: Conference Series, 2011, 292, 012005.	0.3	3
120	Magnetic Capsules for NMR Imaging: Effect of Magnetic Nanoparticles Spatial Distribution and Aggregation. Journal of Physical Chemistry C, 2011, 115, 6257-6264.	1.5	83
121	Thermal Evolution of Pt-Rich $\text{FePt/Fe}_3\text{O}_4$ Heterodimers Studied Using X-ray Absorption Near-Edge Spectroscopy. Journal of Physical Chemistry C, 2011, 115, 5500-5508.	1.5	28
122	Exotic magnetic anisotropy map in epitaxial $\text{La}_{0.7}\text{Ca}_{0.3}\text{MnO}_3$. Journal of Physical Chemistry C, 2011, 115, 5500-5508.	1.1	15
123	A logic approach to decision taking in a railway interlocking system using Maple. Mathematics and Computers in Simulation, 2011, 82, 15-28.	2.4	19
124	A new algebraic model for implementing expert systems represented under the "Concept-Attribute-Value" paradigm. Mathematics and Computers in Simulation, 2011, 82, 29-43.	2.4	4
125	A framework for collaborative filtering recommender systems. Expert Systems With Applications, 2011, 38, 14609-14623.	4.4	96
126	A Polynomial Model for Logics with a Prime Power Number of Truth Values. Journal of Automated Reasoning, 2011, 46, 205-221.	1.1	9

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127	Magnetism induced by capping of non-magnetic ZnO nanoparticles. Journal of Nanoparticle Research, 2011, 13, 5595-5602.	0.8	11
128	The Logicsâ€™ Explorer: a Maple package for exploring finite many-valued propositional logics. Revista De La Real Academia De Ciencias Exactas, Fisicas Y Naturales - Serie A: Matematicas, 2011, 105, 323-337.	0.6	1
129	On the existence of solutions in systems of linear Diophantine equations. Revista De La Real Academia De Ciencias Exactas, Fisicas Y Naturales - Serie A: Matematicas, 2011, 105, 223-245.	0.6	0
130	Revisiting magnetism of capped Au and ZnO nanoparticles: Surface band structure and atomic orbital with giant magnetic moment. Physica Status Solidi (B): Basic Research, 2011, 248, 2352-2360.	0.7	42
131	Magnetoresistance in $\text{La}_{0.5}\text{Sr}_{0.5}\text{MnO}_{2.5}$. Chemistry - A European Journal, 2011, 17, 2709-2715.	1.7	6
132	Improving collaborative filtering recommender system results and performance using genetic algorithms. Knowledge-Based Systems, 2011, 24, 1310-1316.	4.0	184
133	e-learning experience using recommender systems. , 2011, , .		0
134	Effect of accompanying antiretroviral drugs on virological response to pegylated interferon and ribavirin in patients co-infected with HIV and hepatitis C virus. Journal of Antimicrobial Chemotherapy, 2011, 66, 2843-2849.	1.3	16
135	Extended Precision Quality Measure for Recommender Systems. Lecture Notes in Computer Science, 2011, , 433-442.	1.0	0
136	Unravelling the size distribution of social groups with information theory in complex networks. European Physical Journal B, 2010, 76, 87-97.	0.6	31
137	Infrared Absorption and Emission Spectrum of Electron Bubbles Attached to Linear Vortices in Liquid ^4He . Journal of Low Temperature Physics, 2010, 158, 397-403.	0.6	5
138	Permanent magnetism in phosphine- and chlorine-capped gold: from clusters to nanoparticles. Journal of Nanoparticle Research, 2010, 12, 1307-1318.	0.8	21
139	Fisher information and the thermodynamics of scale-invariant systems. Physica A: Statistical Mechanics and Its Applications, 2010, 389, 490-498.	1.2	15
140	An accelerated-time microscopic simulation of a dedicated freight double-track railway line. Mathematical and Computer Modelling, 2010, 51, 1160-1169.	2.0	10
141	Microwave attenuation with composite of copper microwires. Journal of Magnetism and Magnetic Materials, 2010, 322, 1505-1510.	1.0	17
142	Direct measurements of the correlation between reentrant ferromagnetism and lattice expansion in FeCuZr alloys. Physical Review B, 2010, 82, .	1.1	7
143	Magnetometry and electron paramagnetic resonance studies of phosphine- and thiol-capped gold nanoparticles. Journal of Applied Physics, 2010, 107, 064303.	1.1	11
144	An algebraic method for managing reliability in propositional logics. , 2010, , .		0

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145	HELIUM ON NANOPATTERNED SURFACES AT FINITE TEMPERATURE. International Journal of Modern Physics B, 2010, 24, 4915-4922.	1.0	0
146	An algebraic approach to rule based expert systems. Revista De La Real Academia De Ciencias Exactas, Fisicas Y Naturales - Serie A: Matematicas, 2010, 104, 19-40.	0.6	17
147	Hole and electron attractor model: An explanation of clustered states in manganites. Progress in Solid State Chemistry, 2010, 38, 38-45.	3.9	4
148	Absorption Spectrum of Na Atoms Attached to Helium Nanodroplets. Journal of Low Temperature Physics, 2010, 158, 105-111.	0.6	27
149	High magnetomechanical coupling on magnetic microwire for sensors with biological applications. Applied Physics Letters, 2010, 96, .	1.5	31
150	An algebraic approach to rule based expert systems. Revista De La Real Academia De Ciencias Exactas, Fisicas Y Naturales - Serie A: Matematicas, 2010, 104, 19-40.	0.6	1
151	Collaborative Filtering Based on Choosing a Different Number of Neighbors for Each User. , 2010, , 317-330.		1
152	Helium on planar and nanostructured alkali-metal surfaces. Physical Review B, 2009, 79, .	1.1	18
153	Calcium atoms attached to mixed helium droplets: A probe for the H^3e molecule. Physical Review B, 2009, 80, .	1.1	28
154	Stress-induced large Curie temperature enhancement in $Fe_{1-x}Co_x$ alloy. Physical Review B, 2009, 80, .	1.1	65
155	Pegylated interferon α 2a plus ribavirin versus pegylated interferon α 2b plus ribavirin for the treatment of chronic hepatitis C in HIV-infected patients. Journal of Antimicrobial Chemotherapy, 2009, 63, 1256-1263.	1.3	54
156	XANES experimental evidence of double exchange in ferromagnetic $MnZnO$. Advances in Applied Ceramics, 2009, 108, 263-266.	0.6	0
157	A Groebner bases-based approach to backward reasoning in rule based expert systems. Annals of Mathematics and Artificial Intelligence, 2009, 56, 297-311.	0.9	9
158	New methods for proving the impossibility to solve problems through reduction of problem spaces. Annals of Mathematics and Artificial Intelligence, 2009, 57, 205-231.	0.9	1
159	Zipf's law from a Fisher variational-principle. Physics Letters, Section A: General, Atomic and Solid State Physics, 2009, 374, 18-21.	0.9	21
160	A technique for dynamically measuring and modifying relevance while problem solving. Revista De La Real Academia De Ciencias Exactas, Fisicas Y Naturales - Serie A: Matematicas, 2009, 103, 111-124.	0.6	0
161	Determination of gluten in glucose syrups. Journal of Food Composition and Analysis, 2009, 22, 762-765.	1.9	17
162	Collaborative filtering adapted to recommender systems of e-learning. Knowledge-Based Systems, 2009, 22, 261-265.	4.0	217

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163	Showing the non-existence of solutions in systems of linear Diophantine equations. Mathematics and Computers in Simulation, 2009, 79, 3211-3220.	2.4	4
164	Stress-induced Curie temperature increase in the Fe ₆₄ Ni ₃₆ invar alloy. Physica Status Solidi - Rapid Research Letters, 2009, 3, 115-117.	1.2	16
165	Gold Nanoparticles Generated in Ethosome Bilayers, As Revealed by Cryo-Electron-Tomography. Journal of Physical Chemistry B, 2009, 113, 3051-3057.	1.2	25
166	Relaxation times of colloidal iron platinum in polymer matrixes. Journal of Materials Chemistry, 2009, 19, 6381.	6.7	19
167	Enhanced magnetic properties of FeCo ribbons nanocrystallized in magnetic field. Applied Physics Letters, 2009, 94, .	1.5	24
168	Interplay between the magnetic anisotropy contributions of cobalt nanowires. Physical Review B, 2009, 80, .	1.1	72
169	Complex solvation of Mg atoms in ⁴ He nanodroplets. Journal of Physics: Conference Series, 2009, 150, 032003.	0.3	2
170	Size Dependent Ferromagnetic-Like Behavior in Thiol Capped Gold Nanoparticles. Science of Advanced Materials, 2009, 1, 241-248.	0.1	9
171	Microwave Power Absorption by Microwires Under Tensile Stress. Sensor Letters, 2009, 7, 232-235.	0.4	6
172	Electronic structure, magnetic properties, and microstructural analysis of thiol-functionalized Au nanoparticles: role of chemical and structural parameters in the ferromagnetic behaviour. Journal of Nanoparticle Research, 2008, 10, 179-192.	0.8	38
173	Magnetic Structure and Electronic Study of Complex Oxygen-Deficient Manganites. Chemistry - A European Journal, 2008, 14, 9038-9045.	1.7	12
174	A system simulating representation change phenomena while problem solving. Mathematics and Computers in Simulation, 2008, 78, 89-106.	2.4	3
175	Sensor system for early detection of heart valve bioprostheses failure. Sensors and Actuators A: Physical, 2008, 142, 511-519.	2.0	6
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