

Jorge A Munoz

List of Publications by Year in descending order

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24
papers

1,003
citations

687363

13
h-index

642732

23
g-index

24
all docs

24
docs citations

24
times ranked

1343
citing authors

#	ARTICLE	IF	CITATIONS
1	Magnetic and vibrational properties of high-entropy alloys. Journal of Applied Physics, 2011, 109, .	2.5	223
2	Structural Relationship between Negative Thermal Expansion and Quartic Anharmonicity of Cubic ScF_3 . Physical Review Letters, 2011, 107, 195504.	7.8	201
3	Absence of long-range chemical ordering in equimolar FeCoCrNi. Applied Physics Letters, 2012, 100, .	3.3	176
4	Lambda transitions in materials science: Recent advances in CALPHAD and first-principles modelling. Physica Status Solidi (B): Basic Research, 2014, 251, 53-80.	1.5	75
5	Pressure-Induced Invar Behavior in Pd_3Fe . Physical Review Letters, 2009, 102, 237202.	7.8	173
6	Adiabatic Electron-Phonon Interaction and High-Temperature Thermodynamics of A_{15} Compounds. Physical Review Letters, 2008, 101, 105504.	7.8	39
7	Electron-phonon interactions and high-temperature thermodynamics of vanadium and its alloys. Physical Review B, 2008, 77, .	3.2	36
8	Positive Vibrational Entropy of Chemical Ordering in FeV. Physical Review Letters, 2011, 107, 115501.	7.8	35
9	Nonharmonic phonons in $\hat{\Gamma}_\pm$ -iron at high temperatures. Physical Review B, 2014, 90, .	3.2	31
10	Effects of composition, temperature, and magnetism on phonons in bcc Fe-V alloys. Physical Review B, 2010, 82, .	3.2	19
11	Temperature and pressure dependence of the Fe-specific phonon density of states in $\text{Ba}(\text{MnO})_3$. Physical Review B, 2010, 81, .	3.2	18
12	Electronic structure and vibrational entropies of fcc Au-Fe alloys. Physical Review B, 2013, 87, .	3.2	16
13	Effects of chemical composition and B2 order on phonons in bcc Fe-Co alloys. Journal of Applied Physics, 2010, 108, .	2.5	13
14	Phonon densities of states of face-centered-cubic Ni-Fe alloys. Journal of Applied Physics, 2013, 113, .	2.5	12
15	Polaron-ion correlations in Li_xFePO_4 studied by x-ray nuclear resonant forward scattering at elevated pressure and temperature. Physical Review B, 2014, 90, .	3.2	11
16	Cluster Expansion of Alloy Theory: A Review of Historical Development and Modern Innovations. Jom, 2021, 73, 3326-3346.	1.9	7
17	Spin-State Effects on the Thermal Dihydrogen Release from Solid-State $[\text{MH}(\text{H})_2\text{dppe}]_2$ ($\text{M} = \text{Fe, Ru, Os}$) Organometallic Complexes for Hydrogen Storage Applications. Journal of Physical Chemistry C, 2014, 118, 1783-1792.	3.1	5
18	Nonharmonic phonons in MgB_2 at elevated temperatures. Physical Review B, 2011, 83, .	3.2	4

#	ARTICLE	IF	CITATIONS
19	Dynamics of iron atoms across the pressure-induced Invar transition in Pd ₃ Fe. <i>Physical Review B</i> , 2011, 83, .	3.2	4
20	Miscibility gap and phonon thermodynamics of Fe-Au alloys studied by inelastic neutron scattering and nuclear-resonant inelastic x-ray scattering. <i>AIP Conference Proceedings</i> , 2015, , .	0.4	2
21	Isoscaling and the high-temperature limit. <i>Physical Review C</i> , 2008, 78, .	2.9	1
22	Adhesion Limits and Design Criteria for Nanorelays. <i>IEEE Transactions on Electron Devices</i> , 2016, 63, 465-470.	3.0	1
23	Context-aware ubiquitous and mobile learning systems: research gaps and challenges. <i>International Journal of Technology Enhanced Learning</i> , 2021, 13, 309.	0.7	1
24	Equilibrium constants of nuclear reactions in supernova explosions. <i>International Journal of Modern Physics E</i> , 2022, 31, .	1.0	0