

Irais Valencia-Jaime

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/854854/publications.pdf>

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9
papers

329
citations

1163117
8
h-index

1474206
9
g-index

9
all docs

9
docs citations

9
times ranked

479
citing authors

#	ARTICLE	IF	CITATIONS
1	Elastic, mechanical, and thermodynamic properties of Bi-Sb binaries: Effect of spin-orbit coupling. <i>Physical Review B</i> , 2018, 97, .	3.2	76
2	Sodium-gold binaries: novel structures for ionic compounds from an <i>ab initio</i> structural search. <i>New Journal of Physics</i> , 2013, 15, 115007.	2.9	58
3	Prediction and control of spin polarization in a Weyl semimetallic phase of BiSb. <i>Physical Review B</i> , 2016, 94, .	3.2	41
4	Design of Mg alloys: The effects of Li concentration on the structure and elastic properties in the Mg-Li binary system by first principles calculations. <i>Journal of Alloys and Compounds</i> , 2017, 691, 15-25.	5.5	41
5	Electrochemical Lithiation Cycles of Gold Anodes Observed by In Situ High-Energy X-ray Diffraction. <i>Chemistry of Materials</i> , 2016, 28, 2941-2948.	6.7	38
6	Investigation of novel crystal structures of Bi-Sb binaries predicted using the minima hopping method. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 29771-29785.	2.8	37
7	Novel crystal structures for lithium-silicon alloy predicted by minima hopping method. <i>Journal of Alloys and Compounds</i> , 2016, 655, 147-154.	5.5	21
8	Novel phases of lithium-aluminum binaries from first-principles structural search. <i>Journal of Chemical Physics</i> , 2015, 142, 024710.	3.0	14
9	Assessing Nickel Titanium Binary Systems Using Structural Search Methods and Ab Initio Calculations. <i>Journal of Physical Chemistry C</i> , 2021, 125, 1578-1591.	3.1	3