

Masahiro Sakurai

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

120
citations

1307594

7
h-index

1281871

11
g-index

16
all docs

16
docs citations

16
times ranked

139
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural and magnetic properties of large cobalt clusters. Physical Review B, 2016, 93, .	3.2	18
2	Pressure-induced structural phase transition of small-diameter carbon nanotubes. Physica E: Low-Dimensional Systems and Nanostructures, 2011, 43, 673-676.	2.7	14
3	Synergistic computational and experimental discovery of novel magnetic materials. Molecular Systems Design and Engineering, 2020, 5, 1098-1117.	3.4	13
4	Insulating titanium oxynitride for visible light photocatalysis. Physical Review B, 2019, 99, .	3.2	12
5	Discovering rare-earth-free magnetic materials through the development of a database. Physical Review Materials, 2020, 4, .	2.4	11
6	Electronic properties of graphene and boron-nitride based nanostructured materials. Journal of Physics: Conference Series, 2011, 302, 012018.	0.4	9
7	Size dependence of structural stability and magnetization of nickel clusters from real-space pseudopotentials. Physical Review B, 2016, 94, .	3.2	7
8	Influence of nitrogen dopants on the magnetization of Co_3N clusters. Physical Review Materials, 2018, 2, .	2.4	7
9	Real-space pseudopotential method for calculating magnetocrystalline anisotropy. Physical Review Materials, 2018, 2, .	2.4	7
10	Quasiparticle energies and dielectric functions of diamond polytypes. Physical Review Materials, 2017, 1, .	2.4	5
11	Enhanced magnetic moments in Mn-doped FeCo clusters owing to ferromagnetic surface Mn atoms. Physical Review Materials, 2019, 3, .	2.4	5
12	Constant-Pressure Molecular-Dynamics Study of Carbon Nanotubes and Electronic Structure of New Phases. Japanese Journal of Applied Physics, 2010, 49, 02BB05.	1.5	4
13	Magnetocrystalline anisotropy in YCo_5 and ZrCo_5 compounds from first-principles real-space pseudopotentials calculations. Physical Review Materials, 2018, 2, .	2.4	4
14	Predicting magnetic anisotropy energies using site-specific spin-orbit coupling energies and machine learning: Application to iron-cobalt nitrides. Physical Review Materials, 2022, 6, .	2.4	3
15	Metastable B-doped FeNi compounds for permanent magnets without rare earths. Physical Review Materials, 2020, 4, .	2.4	1
16	Pressure-induced Structural Phase Transition of Carbon Nanotubes into New Nanostructured Carbon Solids. Materials Research Society Symposia Proceedings, 2009, 1204, 1.	0.1	0