

Masahiro Sakurai

List of Publications by Year in descending order

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16
papers

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1307594

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