

Burak Himmetoglu

List of Publications by Year in descending order

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16
papers

1,221
citations

623734

14
h-index

940533

16
g-index

16
all docs

16
docs citations

16
times ranked

2181
citing authors

#	ARTICLE	IF	CITATIONS
1	Hubbard-corrected DFT energy functionals: The LDA+U description of correlated systems. International Journal of Quantum Chemistry, 2014, 114, 14-49.	2.0	533
2	Instability of Anisotropic Cosmological Solutions Supported by Vector Fields. Physical Review Letters, 2009, 102, 111301.	7.8	172
3	Tuning bad metal and non-Fermi liquid behavior in a Mott material: Rare-earth nickelate thin films. Science Advances, 2015, 1, e1500797.	10.3	99
4	First-principles analysis of electron transport in BaSnO_3 . Physical Review B, 2017, 95, .	3.2	17
5	First principles calculation of the electronic properties and lattice dynamics of $\text{Cu}_2\text{ZnSn}(\text{S}_1\hat{a}^{\sim}\text{xSex})_4$. Journal of Applied Physics, 2012, 111, .	2.5	73
6	Limitations to the room temperature mobility of two- and three-dimensional electron liquids in SrTiO_3 . Applied Physics Letters, 2015, 106, .	3.3	51
7	First-principles study of the mobility of SrTiO_3 . Physical Review B, 2014, 90, .	3.2	45
8	Energetic, spatial, and momentum character of the electronic structure at a buried interface: The two-dimensional electron gas between two metal oxides. Physical Review B, 2016, 93, .	3.2	29
9	Role of electronic localization in the phosphorescence of iridium sensitizing dyes. Journal of Chemical Physics, 2012, 137, 154309.	3.0	27
10	Origin of magnetic interactions and their influence on the structural properties of Ni_2MnGa and related compounds. Journal of Physics Condensed Matter, 2012, 24, 185501.	1.8	26
11	Small hole polarons in rare-earth titanates. Applied Physics Letters, 2015, 106, .	3.3	22
12	Interband and polaronic excitations in YTiO_3 from first principles. Physical Review B, 2014, 90, .	3.2	25
13	Tree based machine learning framework for predicting ground state energies of molecules. Journal of Chemical Physics, 2016, 145, 134101.	3.0	19
14	Transport properties of KTaO_3 from first-principles. Journal of Physics Condensed Matter, 2016, 28, 065502.	1.8	15
15	Observation by resonant angle-resolved photoemission of a critical thickness for 2-dimensional electron gas formation in SrTiO_3 embedded in GdTiO_3 . Applied Physics Letters, 2015, 107, 231602.	3.3	9
16	Effects of biaxial stress and layer thickness on octahedral tilts in LaNiO_3 . Applied Physics Letters, 2015, 107, 261901.	3.3	3