Burak Himmetoglu

List of Publications by Year
in descending order

16	1,221	623734 14	940533 16
papers	citations	h-index	g-index

16	16	16	2181
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	First-principles analysis of electron transport in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>BaSnO</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:math>. Physical Review B, 2017, 95, .	3.2	17
2	Tree based machine learning framework for predicting ground state energies of molecules. Journal of Chemical Physics, 2016, 145, 134101.	3.0	19
3	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
4	Transport properties of KTaO3from first-principles. Journal of Physics Condensed Matter, 2016, 28, 065502.	1.8	15
5	Effects of biaxial stress and layer thickness on octahedral tilts in LaNiO3. Applied Physics Letters, 2015, 107, 261901.	3.3	3
6	Observation by resonant angle-resolved photoemission of a critical thickness for 2-dimensional electron gas formation in SrTiO3 embedded in GdTiO3. Applied Physics Letters, 2015, 107, 231602.	3.3	9
7	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
8	Limitations to the room temperature mobility of two- and three-dimensional electron liquids in SrTiO3. Applied Physics Letters, 2015, 106, .	3.3	51
9	Small hole polarons in rare-earth titanates. Applied Physics Letters, 2015, 106, .	3.3	22
10	First-principles study of the mobility of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi mathvariant="normal">SrTiO</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:math>. Physical Review B, 2014, 90, .	3.2	45
11	Hubbard-corrected DFT energy functionals: The LDA+U description of correlated systems. International Journal of Quantum Chemistry, 2014, 114, 14-49.	2.0	533
12	Interband and polaronic excitations in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>YTiO</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:math> first principles. Physical Review B, 2014, 90, .	3.2	21
13	Origin of magnetic interactions and their influence on the structural properties of Ni₂MnGa and related compounds. Journal of Physics Condensed Matter, 2012, 24, 185501.	1.8	26
14	First principles calculation of the electronic properties and lattice dynamics of Cu2ZnSn(S1â˜'xSex)4. Journal of Applied Physics, 2012, 111, .	2.5	73
15	Role of electronic localization in the phosphorescence of iridium sensitizing dyes. Journal of Chemical Physics, 2012, 137, 154309.	3.0	27
16	Instability of Anisotropic Cosmological Solutions Supported by Vector Fields. Physical Review Letters, 2009, 102, 111301.	7.8	172