Anna Miglio

List of Publications by Year
in descending order

19 papers	1,544 citations	623188 14 h-index	794141 19 g-index
19 all docs	19 docs citations	19 times ranked	2418 citing authors

#	Article	IF	Citations
1	Identification and design principles of low hole effective mass p-type transparent conducting oxides. Nature Communications, 2013, 4, 2292.	5.8	507
2	How Does Chemistry Influence Electron Effective Mass in Oxides? A High-Throughput Computational Analysis. Chemistry of Materials, 2014, 26, 5447-5458.	3.2	127
3	Band widths and gaps from the Tran-Blaha functional: Comparison with many-body perturbation theory. Physical Review B, 2013, 87, .	1.1	125
4	High-Mobility Bismuth-based Transparent p-Type Oxide from High-Throughput Material Screening. Chemistry of Materials, 2016, 28, 30-34.	3.2	118
5	Phase Diagrams and Stability of Lead-Free Halide Double Perovskites Cs₂BBâ€²X₆: B = Sb and Bi, Bâ€² = Cu, Ag, and Au, and X = Cl, Br, and I. Journal of Physical Chemistry C, 2018, 122, 158-170.	1.5	114
6	High-Throughput Design of Non-oxide p-Type Transparent Conducting Materials: Data Mining, Search Strategy, and Identification of Boron Phosphide. Chemistry of Materials, 2017, 29, 2568-2573.	3.2	109
7	Superionic Diffusion through Frustrated Energy Landscape. CheM, 2019, 5, 2450-2460.	5.8	92
8	Predominance of non-adiabatic effects in zero-point renormalization of the electronic band gap. Npj Computational Materials, 2020, 6, .	3.5	65
9	Quasiparticles and phonon satellites in spectral functions of semiconductors and insulators: Cumulants applied to the full first-principles theory and the FrÃ¶hlich polaron. Physical Review B, 2018, 97, .	1.1	60
10	First-principles study of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msup><mml:mrow><mml:mi>Ce</mml:mi></mml:mrow><m silicate nitride phosphors: Neutral excitation, Stokes shift, and luminescent center identification. Physical Review B, 2016, 93, .	1.1	49
11	First-principles study of the luminescence of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msup><mml:mrow><mml:mi>Eu</mml:mi></mml:mrow><mml:mrow><m -doped phosphors. Physical Review B, 2017, 96, .	1.1	44
12	Assessment of Firstâ€Principles and Semiempirical Methodologies for Absorption and Emission Energies of Ce³⁺â€Doped Luminescent Materials. Advanced Optical Materials, 2017, 5, 1600997.	3.6	35
13	Local Bonding Influence on the Band Edge and Band Gap Formation in Quaternary Chalcopyrites. Advanced Science, 2017, 4, 1700080.	5.6	35
14	Ab initio study of luminescence in Ce-doped <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Lu</mml:mi><mml:mn>2</mml:mn></mml:m : The role of oxygen vacancies on emission color and thermal quenching behavior. Physical Review Materials, 2018, 2, .	0.9	16
15	Ab-initio study of oxygen vacancy stability in bulk and Cerium-doped lutetium oxyorthosilicate. Journal of Luminescence, 2018, 204, 499-505.	1.5	13
16	Beyond the one-dimensional configuration coordinate model of photoluminescence. Physical Review B, 2019, 100, .	1.1	10
17	Importance of Longâ€Range Channel Sr Displacements for the Narrow Emission in Sr[Li₂Al₂O₂N₂]:Eu²⁺Phosphor. Advanced Optical Materials, 2021, 9, 2100649.	3.6	10
18	FrÃ¶hlich polaron effective mass and localization length in cubic materials: Degenerate and anisotropic electronic bands. Physical Review B, 2021, 104, .	1.1	8

#	Article	IF	Citations
19	Design rule for the emission linewidth of Eu<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e1136" altimg="si27.svg"><mml:msup><mml:mrow /><mml:mrow><mml:mn>2</mml:mn><mml:mo>+</mml:mo></mml:mrow></mml:msup></mml:math>-activated phosphors. Journal of Luminescence, 2020, 224, 117258.	1.5	7