Mega Novita

List of Publications by Citations

17 papers	116 citations	6 h-index	10 g-index
18 ext. papers	136 ext. citations	1.6 avg, IF	2.93 L-index

#	Paper	IF	Citations
17	Study of multiplet structures of Mn4+ activated in fluoride crystals. *Journal of Luminescence*, **2016**, 169, 594-600	3.8	31
16	Comparative Study of Absorption Spectra of V2+, Cr3+, and Mn4+in Al2O3Based on First-Principles Configuration Interaction Calculations. *Journal of the Physical Society of Japan*, **2012**, 81, 104709	1.5	21
15	Study on Multiplet Energies of V2+, Cr3+, and Mn4+ in MgO Host Crystal Based on First-Principles Calculations with Consideration of Lattice Relaxation. *Journal of the Physical Society of Japan*, **2014**, 83, 124707	1.5	16
14	Investigation of Ion Dependence of Electronic Structure for 3d3 Ions in Mg2TiO4 Based on First-Principles Calculations. *ECS Transactions*, **2013**, 50, 9-17	1	14
13	Comparative Study of Multiplet Structures of Mn^{4+} in K$_{2}$SiF$_{6}$, K$_{2}$GeF$_{6}$, and K$_{2}$TiF$_{6}$ Based on First-Principles Configuration Interaction Calculations. *Japanese Journal of Applied Physics*, **2012**, 51, 022604	1.4	6
12	Ab-initiostudy on the absorption spectrum of color change sapphire based on first-principles calculations with considering lattice relaxation-effect. *IOP Conference Series: Materials Science and Engineering*, **2018**, 299, 012060	0.4	6
11	Comparative Study on R-line and U-band Energies of Ruby Estimated from One-Electron and Many-Electron First-Principles Approaches. *Journal of Physics: Conference Series*, **2019**, 1179, 012104	0.3	4
10	Study on the Optical Luminescence Properties of Li2TiO3: Mn4+ and Cr3+. *Chemistry Letters*, **2021**, 50, 52-56	1.7	4
9	Enhance electron-correlation effect on the ruby multiplet energy dependence on pressure. *Optical Materials*, **2020**, 110, 110520	3.3	3
8	Lattice Relaxation Effects on the Multiplet Energies of Ruby Under Pressure using One-Electron Calculations. *IOP Conference Series: Materials Science and Engineering*, **2020**, 835, 012010	0.4	3
7	Study on the molecular orbital energies of ruby under pressure. *Optical Materials*, **2020**, 109, 110375	3.3	3
6	Comparative Study of Multiplet Structures of Mn4+in K2SiF6, K2GeF6, and K2TiF6Based on First-Principles Configuration Interaction Calculations. *Japanese Journal of Applied Physics*, **2012**, 51, 022604	1.4	2
5	Systematic First-Principles Calculations of Charge Transfer Transitions of Transition Metal Ions (Sc3+, Ti3+, V3+, Cr3+, Mn3+, Fe3+) in Al2O3 with Structural Optimization. *IOP Conference Series: Materials Science and Engineering*, **2020**, 835, 012005	0.4	1
4	Design on FunPhy: Fun Physics Educational Game Apps using Agile EXtreme Programming. *Journal of Physics: Conference Series*, **2019**, 1179, 012071	0.3	1
3	Chromaticity coordinates of ruby based on first-principles calculation. *Optical Materials*, **2021**, 121, 111539	3.3	1
2	First-Principles calculations of the interconfigurational transition energies of 4f - 4f-15d of Ln3+ ions in LiYF4 and CaF2. *Optical Materials*, **2021**, 122, 111656	3.3	0
1	Optical properties of Co3+ doped in Al2O3 with Considering Lattice Relaxation Effect. *IOP Conference Series: Materials Science and Engineering*, **2020**, 835, 012011	0.4	