

Mega Novita

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	First-Principles calculations of the interconfigurational transition energies of 4f - 4f-15d of Ln ³⁺ ions in LiYF ₄ and CaF ₂ . <i>Optical Materials</i> , 2021 , 122, 111656	3.3	0
16	Study on the Optical Luminescence Properties of Li ₂ TiO ₃ : Mn ⁴⁺ and Cr ³⁺ . <i>Chemistry Letters</i> , 2021 , 50, 52-56	1.7	4
15	Chromaticity coordinates of ruby based on first-principles calculation. <i>Optical Materials</i> , 2021 , 121, 111539	3.3	1
14	Enhance electron-correlation effect on the ruby multiplet energy dependence on pressure. <i>Optical Materials</i> , 2020 , 110, 110520	3.3	3
13	Lattice Relaxation Effects on the Multiplet Energies of Ruby Under Pressure using One-Electron Calculations. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020 , 835, 012010	0.4	3
12	Systematic First-Principles Calculations of Charge Transfer Transitions of Transition Metal Ions (Sc ³⁺ , Ti ³⁺ , V ³⁺ , Cr ³⁺ , Mn ³⁺ , Fe ³⁺) in α -Al ₂ O ₃ with Structural Optimization. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020 , 835, 012005	0.4	1
11	Optical properties of Co ³⁺ doped in α -Al ₂ O ₃ with Considering Lattice Relaxation Effect. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020 , 835, 012011	0.4	
10	Study on the molecular orbital energies of ruby under pressure. <i>Optical Materials</i> , 2020 , 109, 110375	3.3	3
9	Comparative Study on R-line and U-band Energies of Ruby Estimated from One-Electron and Many-Electron First-Principles Approaches. <i>Journal of Physics: Conference Series</i> , 2019 , 1179, 012104	0.3	4
8	Design on BunPhy: Fun Physics Educational Game Apps using Agile EXtreme Programming. <i>Journal of Physics: Conference Series</i> , 2019 , 1179, 012071	0.3	1
7	Ab-initiostudy on the absorption spectrum of color change sapphire based on first-principles calculations with considering lattice relaxation-effect. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018 , 299, 012060	0.4	6
6	Study of multiplet structures of Mn ⁴⁺ activated in fluoride crystals. <i>Journal of Luminescence</i> , 2016 , 169, 594-600	3.8	31
5	Study on Multiplet Energies of V ²⁺ , Cr ³⁺ , and Mn ⁴⁺ in MgO Host Crystal Based on First-Principles Calculations with Consideration of Lattice Relaxation. <i>Journal of the Physical Society of Japan</i> , 2014 , 83, 124707	1.5	16
4	Investigation of Ion Dependence of Electronic Structure for 3d ³ Ions in Mg ₂ TiO ₄ Based on First-Principles Calculations. <i>ECS Transactions</i> , 2013 , 50, 9-17	1	14
3	Comparative Study of Absorption Spectra of V ²⁺ , Cr ³⁺ , and Mn ⁴⁺ in α -Al ₂ O ₃ Based on First-Principles Configuration Interaction Calculations. <i>Journal of the Physical Society of Japan</i> , 2012 , 81, 104709	1.5	21
2	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. <i>Japanese Journal of Applied Physics</i> , 2012 , 51, 022604	1.4	6
1	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. <i>Japanese Journal of Applied Physics</i> , 2012 , 51, 022604	1.4	2

