

HÃœseyÄ°n YasÄ°n Uzunok

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	Physical properties and superconductivity in the cubic A15-type $Ta_{1-x}Ge_x$ compound: A first-principles study. Solid State Communications, 2020, 353, 114828.	0.9	1
2	Impact of spin-orbit coupling on the physical properties and superconductivity of Ir-rich superconductor Mg_2Ir_3Si : A first-principles investigation. Journal of Physics and Chemistry of Solids, 2021, 153, 110030.	1.9	0
3	Elucidating the underlying mechanism of relatively high T_c value of the orthorhombic $MoRuP$: a first-principles study. Philosophical Magazine, 2021, 101, 2054-2076.	0.7	0
4	First-principles calculations of physical properties and superconductivity of orthorhombic Mo_2BC and Nb_2BN . Journal of Applied Physics, 2021, 130, 153902.	1.1	3
5	Ab initio investigation of physical properties of LaT_2B_2C ($T=Ir, Rh$) compounds: A density functional theory approach. Physica C: Superconductivity and Its Applications, 2020, 568, 1353585.	0.6	1
6	First-principles calculations of physical properties and superconductivity of orthorhombic $ScRuSi$ and $ZrRhSi$. Physical Review B, 2020, 102, .	1.1	0
7	Probing physical properties and superconductivity of noncentrosymmetric superconductors $LaPtGe$ and $LaPtGe_3$: A first-principles study. Computational Materials Science, 2020, 185, 109949.	1.4	7
8	Probing the physical and superconducting properties of hexagonal $ZrRuAs$: A first-principles calculation. Physica C: Superconductivity and Its Applications, 2020, 577, 1353715.	0.6	2
9	A first-principles investigation of physical properties and superconductivity of $NbPS$. Solid State Sciences, 2020, 103, 106183.	1.5	0
10	The effect of spin-orbit interaction on superconductivity in the filled skutterudites MPt_4Ge_{12} ($M=Ba, Sr$ and Th). Philosophical Magazine, 2020, 100, 2735-2758.	0.7	0
11	Physical properties and superconductivity of Heusler compound $LiGa_2Rh$: A first-principles calculation. Solid State Communications, 2020, 311, 113859.	0.9	10
12	Probing the electron-phonon interaction in superconductivity for KSn_2 using the Migdal-Eliashberg theory and linear-response theory. Philosophical Magazine Letters, 2020, 100, 33-54.	0.5	2
13	Physical properties of hexagonal $BaPtAs$ with noncentrosymmetric $SrPtSb$ -type and centrosymmetric $YPtAs$ -type crystal structures: Effects of spin-orbit coupling. Physical Review B, 2019, 100, .	1.1	5
14	Investigating the normal state and superconducting state properties of orthorhombic and hexagonal $ZrRuP$: A first-principles study. Physical Review B, 2019, 100, .	1.1	14
15	Ab initio investigation of spin orbit coupling effect on the physical properties of IrGe superconductor. Intermetallics, 2019, 106, 107-114.	1.8	9
16	Theoretical investigation of superconductivity mechanism in the filled skutterudites YRu_4P_{12} , YO_4P_{12} , $LaOs_4P_{12}$ and $LaOs_4As_{12}$. Journal of Physics and Chemistry of Solids, 2019, 130, 197-209.	1.9	3
17	Theoretical investigation of antisymmetric spin-orbit coupling effect on the physical properties of noncentrosymmetric $BaPtSb$ superconductor. Intermetallics, 2019, 108, 109-116.	1.8	7
18	Theoretical investigation of electron-phonon interaction in the orthorhombic phase of Mo_2C . Journal of Alloys and Compounds, 2019, 788, 842-851.	2.8	13

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19	Theoretical investigation of superconductivity in the non-centrosymmetric SrPtGe ₃ and CaPtSi ₃ compounds. Philosophical Magazine, 2019, 99, 198-223.	0.7	5
20	The effect of martensitic phase transition from cubic to tetragonal on the physical properties of V ₃ Si superconductor. Intermetallics, 2018, 96, 25-32.	1.8	5
21	Ab initio investigation of electron-phonon interaction in LaSn ₃ and CaSn ₃ . Philosophical Magazine Letters, 2018, 98, 375-391.	0.5	3
22	Role of spin-orbit coupling in the physical properties of LaPt_3Si ($T_c = 10.6$ K). <i>Journal of Applied Physics</i> , 2017, 121, 193904.		
23	The effect of spin orbit interaction on the physical properties of LaTSi ₃ (T = Ir, Pd, and Rh): First-principles calculations. <i>Journal of Applied Physics</i> , 2017, 121, 193904.	1.1	7
24	The influence of spin orbit interaction on phonons and superconductivity in the noncentrosymmetric superconductors LaPt ₃ Si and LaPtSi ₃ . <i>Intermetallics</i> , 2017, 86, 1-10.	1.8	10
25	<i>Effects of spin-orbit coupling on the electron-phonon superconductivity in the cubic Laves-phase compounds</i> CaR_2Si_2 and CaR_2Ge_2 ($R = \text{Rh}$ or Ir). <i>Physical Review B</i> , 2017, 96, 114111.	1.1	19
26	The effect of spin orbit interaction for superconductivity in the noncentrosymmetric superconductor CaIrSi ₃ . <i>Journal of Alloys and Compounds</i> , 2016, 681, 205-211.	2.8	13
27	Theoretical investigation of superconductivity in SrPd_2Ge_2 and SrPd_2Si_2 . <i>Physical Review B</i> , 2016, 93, 080501.		
28	Ab initio investigation of BCS-type superconductivity in $\text{LuNi}_2\text{B}_2\text{C}$ and $\text{LuNi}_2\text{Ge}_2\text{C}$ <i>Physical Review B</i> , 2015, 92, 080501.	1.1	33
29	Identification of specific phonon contributions in BCS-type superconductivity of boride-carbide crystals with a layer-like structure. <i>Solid State Communications</i> , 2015, 206, 1-5.	0.9	3