HÃœseyÄºn YasÄºn Uzunok

List of Publications by Year
in descending order

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29	196	1039406 9	1125271 13
papers	citations	h-index	g-index

29	29	29	175
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Ab initioinvestigation of BCS-type superconductivity in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi mathvariant="normal">LuNi</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">B</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:mi	1.1	33
2	Effects of spin-orbit coupling on the electron-phonon superconductivity in the cubic Laves-phase compounds <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>CaIr</mml:mi><mml:mn>2</mml:mn></mml:msub></mm and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>CaRh</mml:mi><mml:mn>2</mml:mn></mml:msub></m Physical Review B, 2017, 96, .	1.1	19
3	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
4	The effect of spin orbit interaction for superconductivity in the noncentrosymmetric superconductor CaIrSi3. Journal of Alloys and Compounds, 2016, 681, 205-211.	2.8	13
5	Theoretical investigation of electron-phonon interaction in the orthorhombic phase of Mo2C. Journal of Alloys and Compounds, 2019, 788, 842-851.	2.8	13
6	Role of spin-orbit coupling in the physical properties of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>La</mml:mi><mml:msub><mml:mi>X</mml:mi><mml:mn (<mml:math) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 537 Td (xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>X</mml:m	1.1	12
7	Theoretical investigation of superconductivity in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>SrPd</mml:mi><mml:mn>2</mml:mn></ xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>SrPd</mml:mi><mml:mn>2</mml:mn></ and<mml:math xmlns:mml="http://www.w3.org/1998. Physical Review B, 2016, 93, .	1.1	10
8	The influence of spin orbit interaction on phonons and superconductivity in the noncentrosymmetric superconductors LaPt 3 Si and LaPtSi 3. Intermetallics, 2017, 86, 1-10.	1.8	10
9	Physical properties and superconductivity of Heusler compound LiGa2Rh: A first-principles calculation. Solid State Communications, 2020, 311, 113859.	0.9	10
10	Ab initio investigation of spin orbit coupling effect on the physical properties of IrGe superconductor. Intermetallics, 2019, 106, 107-114.	1.8	9
11	The effect of spin orbit interaction on the physical properties of LaTSi3 (T = Ir, Pd, and Rh): First-principles calculations. Journal of Applied Physics, 2017, 121, 193904.	1.1	7
12	Theoretical investigation of antisymmetric spin-orbit coupling effect on the physical properties of noncentrosymmetric BaPtSb superconductor. Intermetallics, 2019, 108, 109-116.	1.8	7
13	Probing physical properties and superconductivity of noncentrosymmetric superconductors LaPtGe and LaPtGe3: A first-principles study. Computational Materials Science, 2020, 185, 109949.	1.4	7
14	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
15	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
16	Theoretical investigation of superconductivity in the non-centrosymmetric SrPtGe₃ and CaPtSi₃ compounds. Philosophical Magazine, 2019, 99, 198-223.	0.7	5
17	Identification of specific phonon contributions in BCS-type superconductivity of boride-carbide crystals with a layer-like structure. Solid State Communications, 2015, 206, 1-5.	0.9	3
18	Ab initio investigation of electron-phonon interaction in LaSn3 and CaSn3. Philosophical Magazine Letters, 2018, 98, 375-391.	0.5	3

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19	Theoretical investigation of superconductivity mechanism in the filled skutterudites YRu4P12, YOs4P12, LaOs1P12 and LaOs4As12. Journal of Physics and Chemistry of Solids, 2019, 130, 197-209.	1.9	3
20	First-principles calculations of physical properties and superconductivity of orthorhombic Mo2BC and Nb2BN. Journal of Applied Physics, 2021, 130, 153902.	1.1	3
21	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
22	Probing the electronâ€“phonon interaction in superconductivity for KSn2 using the Migdal-Eliashberg theory and linear-response theory. Philosophical Magazine Letters, 2020, 100, 33-54.	0.5	2
23	Ab initio investigation of physical properties of LaT2B2C (T=ir, Rh) compounds: A density functional theory approach. Physica C: Superconductivity and Its Applications, 2020, 568, 1353585.	0.6	1
24	Physical properties and superconductivity in the cubic A15-type Ta<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e553" altimg="si66.svg"><mml:msub><mml:mrow /><mml:mrow><mml:mn>3</mml:mn></mml:mrow></mml:msub></mml:math>Ge compound: A first principles study. Solid State Communications, 2022, 353, 114838.	0.9	1
25	First-principles calculations of physical properties and superconductivity of orthorhombic ScRuSi and ZrRhSi. Physical Review B, 2020, 102, .	1.1	0
26	A first-principles investigation of physical properties and superconductivity of NbPS. Solid State Sciences, 2020, 103, 106183.	1.5	0
27	The effect of spinâ€“orbit interaction on superconductivity in the filled skutterudites MPt₄Ge₁₂(M=Ba, Sr and Th). Philosophical Magazine, 2020, 100, 2735-2758.	0.7	0
28	Impact of spin-orbit coupling on the physical properties and superconductivity of Ir-rich superconductor Mg2Ir3Si: A first-principles investigation. Journal of Physics and Chemistry of Solids, 2021, 153, 110030.	1.9	0
29	Elucidating the underlying mechanism of relatively high Tc value of the orthorhombic MoRuP: a first-principles study. Philosophical Magazine, 2021, 101, 2054-2076.	0.7	0