# Saleh Naqib

## List of Publications by Citations



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|---|---|---|---|
| 122 papers | 1,731 citations | 24 h-index | 35 g-index |
| 125 ext. papers | 2,263 ext. citations | 2.6 avg, IF | 5.69 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 122 | Temperature dependence of electrical resistivity of high-Tc cuprates from pseudogap to overdoped regions. *Physica C: Superconductivity and Its Applications*, **2003**, 387, 365-372 | 1.3 | 88 |
| 121 | Elastic and thermodynamic properties of new (Zr3−xTix)AlC2 MAX-phase solid solutions. *Computational Materials Science*, **2017**, 137, 318-326 | 3.2 | 87 |
| 120 | Theoretical investigation of structural, elastic, and electronic properties of ternary boride MoAlB. *Physica Status Solidi (B): Basic Research*, **2017**, 254, 1700010 | 1.3 | 79 |
| 119 | Doping phase diagram of Y1−xCaxBa2(Cu1−yZny)3O7−δ from transport measurements: Tracking the pseudogap below Tc. *Physical Review B*, **2005**, 71, | 3.3 | 77 |
| 118 | Physical properties of predicted Ti2CdN versus existing Ti2CdC MAX phase: An ab initio study. *Computational Materials Science*, **2016**, 113, 148-153 | 3.2 | 63 |
| 117 | Recently synthesized (Zr1-xTix)2AlC (0 ≤ x ≤ 1) solid solutions: Theoretical study of the effects of M mixing on physical properties. *Journal of Alloys and Compounds*, **2018**, 743, 146-154 | 5.7 | 45 |
| 116 | Mechanical behaviors, lattice thermal conductivity and vibrational properties of a new MAX phase Lu2SnC. *Journal of Physics and Chemistry of Solids*, **2019**, 129, 162-171 | 3.9 | 44 |
| 115 | Newly synthesized Zr2AlC, Zr2(Al0.58Bi0.42)C, Zr2(Al0.2Sn0.8)C, and Zr2(Al0.3Sb0.7)C MAX phases: A DFT based first-principles study. *Computational Materials Science*, **2017**, 131, 139-145 | 3.2 | 43 |
| 114 | First-principles prediction of mechanical and bonding characteristics of new T2 superconductor Ta5GeB2. *Physica Status Solidi (B): Basic Research*, **2016**, 253, 2020-2026 | 1.3 | 39 |
| 113 | Structural, elastic, electronic, bonding, and optical properties of topological CaSn3 semimetal. *Journal of Alloys and Compounds*, **2020**, 829, 154509 | 5.7 | 36 |
| 112 | Mechanical behavior, bonding nature and defect processes of Mo2ScAlC2: A new ordered MAX phase. *Journal of Alloys and Compounds*, **2017**, 724, 1167-1175 | 5.7 | 36 |
| 111 | Zirconium metal-based MAX phases Zr2AC (A = Al, Si, P and S): A first-principles study. *International Journal of Modern Physics B*, **2014**, 28, 1550022 | 1.1 | 36 |
| 110 | Physical properties and defect processes of M3SnC2 (M = Ti, Zr, Hf) MAX phases: Effect of M-elements. *Journal of Alloys and Compounds*, **2018**, 748, 804-813 | 5.7 | 33 |
| 109 | Effects of transition metals on physical properties of M2BC (M = V, Nb, Mo and Ta): A DFT calculation. *Journal of Alloys and Compounds*, **2019**, 770, 523-534 | 5.7 | 31 |
| 108 | First-Principles Study of Superconducting ScRhP and ScIrP pnictides. *Physica Status Solidi (B): Basic Research*, **2017**, 254, 1700336 | 1.3 | 31 |
| 107 | Structural, elastic, electronic, thermodynamic, and optical properties of layered BaPd2As2 pnictide superconductor: A first principles investigation. *Journal of Alloys and Compounds*, **2019**, 780, 452-460 | 5.7 | 30 |
| 106 | First principles study of M2InC (M = Zr, Hf and Ta) MAX phases: The effect of M atomic species. *Results in Physics*, **2018**, 11, 869-876 | 3.7 | 30 |

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| 105 | New ternary superconducting compound LaRu 2 As 2 : Physical properties from density functional theory calculations. *Chinese Physics B*, **2017**, 26, 037103 | 1.2 | 29 |
| 104 | Structural, elastic, and electronic properties of recently discovered ternary silicide superconductor Li 2 IrSi 3 : An ab-initio study. *Chinese Physics B*, **2015**, 24, 117401 | 1.2 | 29 |
| 103 | Predicted MAX Phase Sc2InC: Dynamical Stability, Vibrational and Optical Properties. *Physica Status Solidi (B): Basic Research*, **2018**, 255, 1700235 | 1.3 | 28 |
| 102 | Scaling relation for the superfluid density of cuprate superconductors: Origins and limits. *Physical Review B*, **2006**, 73, | 3.3 | 28 |
| 101 | An ab initio investigation of vibrational, thermodynamic, and optical properties of Sc 2 AlC MAX compound. *Chinese Physics B*, **2016**, 25, 103102 | 1.2 | 28 |
| 100 | New MAX Phase Superconductor Ti2GeC: A First-principles Study. *Journal of Scientific Research*, **2014**, 6, 11-27 | 1.4 | 26 |
| 99 | BAND STRUCTURE, HARDNESS, THERMODYNAMIC AND OPTICAL PROPERTIES OF SUPERCONDUCTING Nb2AsC, Nb2InC AND Mo2GaC. *International Journal of Computational Materials Science and Engineering*, **2013**, 02, 1350007 | 0.3 | 25 |
| 98 | Structural, Elastic, and Electronic Properties of Newly Discovered Li2PtSi3 Superconductor: Effect of Transition Metals. *Journal of Superconductivity and Novel Magnetism*, **2016**, 29, 2503-2508 | 1.5 | 23 |
| 97 | Anomalous pseudogap and superconducting-state properties of heavily disordered Y1□CaxBa2(Cu1□yZny)3O7□*Physical Review B*, **2005**, 71, | 3.3 | 23 |
| 96 | Recently synthesized (Ti Mo )AlC (0 □□0.20) solid solutions: deciphering the structural, electronic, mechanical and thermodynamic properties simulations.. *RSC Advances*, **2020**, 10, 31535-31546 | 3.7 | 22 |
| 95 | Extraction of the pseudogap energy scale from the static magnetic susceptibility of single and double CuO2plane high-Tccuprates. *Superconductor Science and Technology*, **2008**, 21, 105017 | 3.1 | 21 |
| 94 | Physical properties of new MAX phase borides M2SB (M = Zr, Hf and Nb) in comparison with conventional MAX phase carbides M2SC (M = Zr, Hf and Nb): Comprehensive insights. *Journal of Materials Research and Technology*, **2021**, 11, 1000-1018 | 5.5 | 21 |
| 93 | Phase stability and physical properties of (Zr1-xNbx)2AlC MAX phases. *Journal of Physics and Chemistry of Solids*, **2019**, 132, 38-47 | 3.9 | 20 |
| 92 | Structural and electrical properties of c-axis oriented Y1□CaxBa2(Cu1□yZny)3O7□thin films grown by pulsed laser deposition. *Physica C: Superconductivity and Its Applications*, **2004**, 407, 73-81 | 1.3 | 19 |
| 91 | Ternary boride Hf3PB4: Insights into the physical properties of the hardest possible boride MAX phase. *Journal of Alloys and Compounds*, **2021**, 857, 158264 | 5.7 | 19 |
| 90 | Newly synthesized MgAl2Ge2: A first-principles comparison with its silicide and carbide counterparts. *Journal of Physics and Chemistry of Solids*, **2018**, 117, 139-147 | 3.9 | 18 |
| 89 | Structural, elastic, thermal and lattice dynamic properties of new 321 MAX phases. *Computational Materials Science*, **2019**, 170, 109144 | 3.2 | 18 |
| 88 | Elastic, thermodynamic, electronic, and optical properties of recently discovered superconducting transition metal boride NbRuB: An ab-initio investigation. *Chinese Physics B*, **2017**, 26, 106201 | 1.2 | 18 |

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| 87 | Low-temperature critical current of Y1−xCaxBa2Cu3O7−δ thin films as a function of hole content and oxygen deficiency. *Physica C: Superconductivity and Its Applications*, **2005**, 425, 14-20 | 1.3 | 18 |
| 86 | Elastic and optoelectronic properties of CaTa2O6 compounds: Cubic and orthorhombic phases. *Journal of Alloys and Compounds*, **2019**, 785, 232-239 | 5.7 | 17 |
| 85 | Effects of Ca substitution and the pseudogap on the magnetic properties of Y1−xCaxBa2Cu3O7−δ *Physical Review B*, **2009**, 79, | 3.3 | 16 |
| 84 | Ab initio approach to the elastic, electronic, and optical properties of MoTe2 topological Weyl semimetal. *Journal of Alloys and Compounds*, **2020**, 829, 154522 | 5.7 | 15 |
| 83 | First-principles Study of Vickers Hardness and Thermodynamic Properties of Ti3SnC2 Polymorphs. *Journal of Scientific Research*, **2015**, 7, 53-64 | 1.4 | 15 |
| 82 | First-principles study of elastic, electronic, optical and thermoelectric properties of newly synthesized K2Cu2GeS4 chalcogenide. *Journal of Alloys and Compounds*, **2019**, 781, 37-46 | 5.7 | 15 |
| 81 | Pseudogap and doping-dependent magnetic properties of La2−xSrxCu1−yZnyO4. *Physical Review B*, **2010**, 81, | 3.3 | 14 |
| 80 | DFT insights into new B-containing 212 MAX phases: Hf2AB2 (A = In, Sn). *Journal of Alloys and Compounds*, **2021**, 860, 158408 | 5.7 | 14 |
| 79 | Effect of Zn substitution on the normal-state magnetoresistivity of epitaxial Y0.95Ca0.05Ba2(Cu1−xZnx)3Oy and Y0.9Ca0.1Ba2Cu3Oy films. *Physical Review B*, **2006**, 73, | 3.3 | 13 |
| 78 | Doping dependence of the critical current and irreversibility field in Y1−xCaxBa2Cu3O7−δ *Superconductor Science and Technology*, **2004**, 17, S506-S510 | 3.1 | 13 |
| 77 | An ab-initio study on structural, elastic, electronic, bonding, thermal, and optical properties of topological Weyl semimetal TaX (X = P, As). *Scientific Reports*, **2021**, 11, 5592 | 4.9 | 13 |
| 76 | Insights into the physical properties of a new 211 MAX phase Nb2CuC. *Journal of Physics and Chemistry of Solids*, **2021**, 149, 109759 | 3.9 | 13 |
| 75 | Chemically stable new MAX phase VSnC: a damage and radiation tolerant TBC material.. *RSC Advances*, **2020**, 10, 43783-43798 | 3.7 | 12 |
| 74 | Structural, elastic, electronic and optical properties of Cu3MTe4 (M = Nb, Ta) sulvanites—An ab-initio study. *International Journal of Modern Physics B*, **2016**, 30, 1650089 | 1.1 | 12 |
| 73 | Effect of boron incorporation into the carbon-site in Nb2SC MAX phase: Insights from DFT. *Journal of Materials Research and Technology*, **2021**, 11, 1969-1981 | 5.5 | 12 |
| 72 | The effect of Zn substitution on the suppression ofTcof Y1−xCaxBa2(Cu1−yZny)3O7−δsuperconductors: the pseudogap and the systematic shift of the optimum hole content. *Superconductor Science and Technology*, **2007**, 20, 964-968 | 3.1 | 11 |
| 71 | Electronic structures, bonding natures and defect processes in Sn-based 211 MAX phases. *Computational Materials Science*, **2019**, 168, 203-212 | 3.2 | 10 |
| 70 | Field-dependent resistive transitions in YBa 2 Cu 3 O 7−δ thin films: Influence of the pseudogap on vortex dynamics. *Chinese Physics B*, **2015**, 24, 017402 | 1.2 | 10 |

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| 69 | Effects of Zn on superconductivity, stripe order, and pseudogap correlations in YBa2(Cu1−yZny)3O7−δ. *Physica C: Superconductivity and Its Applications*, **2012**, 476, 10-14 | 1.3 | 10 |
| 68 | Influence of the pseudogap on the Nernst coefficient of Y 0.9 Ca 0.1 Ba 2 Cu 3 O y. *Europhysics Letters*, **2009**, 86, 17005 | 1.6 | 10 |
| 67 | Possible explanation of high-Tc in some 2D cuprate superconductors. *Journal of Physics and Chemistry of Solids*, **1997**, 58, 1153-1159 | 3.9 | 10 |
| 66 | Structural, elastic, electronic, andoptical properties of layered TiNX (X = F, Cl, Br, I) compounds: a density functional theory study. *Molecular Physics*, **2020**, 118, e1609706 | 1.7 | 10 |
| 65 | Effects of Zn substitution in La2−xSrxCu1−yZnyO4: interplay among superconductivity, pseudogap, and stripe order. *Superconductor Science and Technology*, **2008**, 21, 125020 | 3.1 | 9 |
| 64 | Pressure dependent elastic, electronic, superconducting, and optical properties of ternary barium phosphides (BaM 2P2; M = Ni, Rh): DFT based insights. *Physica Scripta*, **2020**, 95, 105809 | 2.6 | 9 |
| 63 | Pressure dependence of structural, elastic, electronic, thermodynamic, and optical properties of van der Waals-type NaSn2P2 pnictide superconductor: Insights from DFT study. *Results in Physics*, **2021**, 21, 103848 | 3.7 | 9 |
| 62 | Modeling of the out-of-plane resistivity of cuprate superconductors. *Physica C: Superconductivity and Its Applications*, **2011**, 471, 1598-1601 | 1.3 | 8 |
| 61 | Effects of Zn on magnetic properties and pseudogap of optimally doped La2−xSrxCuO4. *Physica C: Superconductivity and Its Applications*, **2010**, 470, 79-84 | 1.3 | 8 |
| 60 | Origin of high hardness and optoelectronic and thermo-physical properties of boron-rich compounds B6X (X = S, Se): A comprehensive study via DFT approach. *Journal of Applied Physics*, **2021**, 129, 175109 | 2.5 | 8 |
| 59 | Effect of the pseudogap on the uniform magnetic susceptibility of Y1−xCaxBa2Cu3O7−δ. *Physica C: Superconductivity and Its Applications*, **2007**, 460-462, 750-752 | 1.3 | 7 |
| 58 | Elastic behaviour and radiation tolerance in Nb-based 211 MAX phases. *Materials Today Communications*, **2020**, 25, 101499 | 2.5 | 7 |
| 57 | A DFT based first-principles investigation of optoelectronic and structural properties of Bi2Te2Se. *Physica Scripta*, **2021**, 96, 045810 | 2.6 | 7 |
| 56 | First-principles calculations of elastic and thermodynamic properties under hydrostatic pressure of cubic InNxP1-x ternary alloys. *Chinese Journal of Physics*, **2019**, 59, 449-464 | 3.5 | 6 |
| 55 | In-plane paraconductivity of optimally doped and slightly overdoped cuprates: implication and origin of the pseudogap. *Superconductor Science and Technology*, **2015**, 28, 065004 | 3.1 | 6 |
| 54 | Elastic, electronic, bonding, and optical properties of WTe2 Weyl semimetal: A comparative investigation with MoTe2 from first principles. *Results in Physics*, **2020**, 19, 103639 | 3.7 | 6 |
| 53 | Effect of Fe doping on optoelectronic properties of CdS nanostructure: Insights from DFT calculations. *Physica B: Condensed Matter*, **2020**, 583, 412056 | 2.8 | 6 |
| 52 | Effects of Al substitution by Si in TiAlC nanolaminate. *Scientific Reports*, **2021**, 11, 3410 | 4.9 | 6 |

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| 51 | The effect of Zn substitution on the state of oxygen deficiency and hole concentration in Y1−xCaxBa2(Cu1−yZny)3O7−δ. *Physica C: Superconductivity and Its Applications*, **2006**, 443, 43-48 | 1.3 | 5 |
| 50 | Phase stability, mechanical, electronic and thermodynamic properties of the Ga3Sc compound: An ab-initio study. *Inorganic Chemistry Communication*, **2020**, 122, 108304 | 3.1 | 5 |
| 49 | Influence of Se doping on recently synthesized NaInS2-xSex solid solutions for potential thermo-mechanical applications studied via first-principles method. *Materials Today Communications*, **2021**, 26, 101988 | 2.5 | 5 |
| 48 | Zn induced in-gap electronic states in La214 probed by uniform magnetic susceptibility: relevance to the suppression of superconductingTc. *Superconductor Science and Technology*, **2018**, 31, 025004 | 3.1 | 5 |
| 47 | Possible quantum critical behavior revealed by the critical current density of hole doped high-T cuprates in comparison to heavy fermion superconductors. *Scientific Reports*, **2019**, 9, 14856 | 4.9 | 4 |
| 46 | Doping Dependence of the Effects of In-Plane Disorder on T c and the Pseudogap in Single Layer La214 and Double Layer Y123: a Comparative Study. *Journal of Superconductivity and Novel Magnetism*, **2014**, 27, 337-343 | 1.5 | 4 |
| 45 | Oxygen isotope effect in disordered underdoped and overdoped La2−xSrxCu1−yZnyO4 superconductors. *Physica C: Superconductivity and Its Applications*, **2011**, 471, 242-246 | 1.3 | 4 |
| 44 | Nature of the Pseudogap in High-T c Cuprates: Analysis of the Bulk Magnetic Susceptibility of La2− Sr x Cu1− Zn y O4. *Journal of Superconductivity and Novel Magnetism*, **2010**, 23, 1569-1574 | 1.5 | 4 |
| 43 | Magnetic field dependence of the temperature derivative of resistivity: a probe for distinguishing the effects of pseudogap and superconducting fluctuations in cuprates. *Physica C: Superconductivity and Its Applications*, **2007**, 460-462, 756-758 | 1.3 | 4 |
| 42 | Modeling of the Complex Doping Dependence of dTc/dP of YBa2Cu3O6+x. *Journal of Superconductivity and Novel Magnetism*, **2000**, 13, 485-490 | | 4 |
| 41 | Dynamical stability, vibrational, and optical properties of anti-perovskite A3BX (Ti3TlN, Ni3SnN, and Co3AlC) phases: A first principles study. *AIP Advances*, **2020**, 10, 095226 | 1.5 | 4 |
| 40 | An ab-initio investigation of the electronic structure, chemical bonding and optical properties of Ba2HgS5 semiconductor. *Molecular Physics*, **2020**, 118, e1587026 | 1.7 | 4 |
| 39 | NaInX2 (X = S, Se) layered materials for energy harvesting applications: first-principles insights into optoelectronic and thermoelectric properties. *Journal of Materials Science: Materials in Electronics*, **2021**, 32, 3878-3893 | 2.1 | 4 |
| 38 | A comprehensive study of the thermophysical and optoelectronic properties of Nb2P5 via ab-initio technique. *Results in Physics*, **2021**, 28, 104623 | 3.7 | 4 |
| 37 | Exploring the potential use of Ca[LiAl3N4]:Eu2+ as phosphor-LED material: Ab-initio calculations. *Materials Today Communications*, **2020**, 25, 101302 | 2.5 | 3 |
| 36 | Estimation of Cooper pair density and its relation to the critical current density in Y(Ca)BCO high-Tc cuprate superconductors. *Results in Physics*, **2020**, 17, 103054 | 3.7 | 3 |
| 35 | A simple model for normal state in- and out-of-plane resistivities of hole doped cuprates. *Physica C: Superconductivity and Its Applications*, **2016**, 524, 18-23 | 1.3 | 3 |
| 34 | On the pseudogap and doping-dependent magnetic properties of La2−xSrxCu1−yZnyO4. *Physica C: Superconductivity and Its Applications*, **2007**, 460-462, 753-755 | 1.3 | 3 |

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| 33 | A comprehensive DFT based insights into the physical properties of tetragonal superconducting Mo5PB2. *Results in Physics*, **2021**, 28, 104612 | 3.7 | 3 |
| 32 | Insight view of mechanical, electronic and thermodynamic properties of the novel intermetallic (hbox {REPt}_{{4}}) (hbox {In}_{{4}}) (RE (=) Eu, Gd, Tb, Dy, Ho) compounds via ab initio calculations. *Bulletin of Materials Science*, **2020**, 43, 1 | 1.7 | 2 |
| 31 | Abrupt formation of isolated superconducting droplets in heavily disordered cuprates. *Superconductor Science and Technology*, **2011**, 24, 105018 | 3.1 | 2 |
| 30 | Effects of Zn on the grain boundary properties of La2−xSrxCu1−yZnyO4 superconductors. *Physica C: Superconductivity and Its Applications*, **2010**, 470, 2027-2032 | 1.3 | 2 |
| 29 | Publisher's Note: Doping phase diagram of Y1−xCaxBa2(Cu1−yZny)3O7−δ from transport measurements: Tracking the pseudogap below Tc [Phys. Rev. B 71, 054502 (2005)]. *Physical Review B*, **2005**, 71, | 3.3 | 2 |
| 28 | Newly Synthesized Three-Dimensional Boron-Rich Chalcogenides BX (X = S and Se): Theoretical Characterization of the Physical Properties for Optoelectronic and Mechanical Applications.. *ACS Omega*, **2021**, 6, 33899-33913 | 3.9 | 2 |
| 27 | Temperature Dependence of the Zero-Field In-Plane Critical Current Density of YBa2Cu3O7-d High-Tc Superconductors. *Journal of Scientific Research*, **2012**, 4, 287 | 1.4 | 2 |
| 26 | First-principle study of the structural, mechanical, electronic and thermodynamic properties of intermetallic compounds: Pd3M (M=Sc, Y). *International Journal of Modern Physics B*, **2019**, 33, 1950321 | 1.1 | 2 |
| 25 | XPS, AES AND UPS INVESTIGATION OF SnO2/Si AND DFT-BASED THEORETICAL STUDY WITHIN THE mBJ-GGA SCHEME. *Surface Review and Letters*, **2021**, 28, 2050048 | 1.1 | 2 |
| 24 | Comparative study of predicted MAX phase Hf2AlN with recently synthesized Hf2AlC: a first principle calculations. *Indian Journal of Physics*,1 | 1.4 | 2 |
| 23 | Understanding the improvement of thermo-mechanical and optical properties of 212 MAX phase borides Zr2AB2 (A = In, Tl). *Journal of Materials Research and Technology*, **2021**, 15, 2227-2241 | 5.5 | 2 |
| 22 | On the impossibility of Photoelectron ejection by electromagnetic wave *Optik*, **2019**, 192, 162934 | 2.5 | 1 |
| 21 | A first-principles investigation on electronic, optical and thermoelectric properties of (hbox {La}_{2}hbox {Pd}_{2}hbox {O}_{5}) compound. *Bulletin of Materials Science*, **2020**, 43, 1 | 1.7 | 1 |
| 20 | Isotope exponent in disordered underdoped and overdoped La214. *Journal of Physics: Conference Series*, **2012**, 391, 012136 | 0.3 | 1 |
| 19 | Electronic, elastic, thermodynamic and vibrational properties of Li6BeZrF12: Insights from DFT-based computer simulation. *Computational Condensed Matter*, **2020**, 25, e00506 | 1.7 | 1 |
| 18 | Structural, electronic, magnetic and mechanical properties of the full-Heusler compounds Ni2Mn(Ge,Sn) and Mn2NiGe. *Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences*, **2021**, 76, 693-702 | 1.4 | 1 |
| 17 | A comparative study of structural, thermal, and optoelectronic properties between zircon and scheelite type structures in SrMoO4 compound: An ab-initio study. *Optik*, **2021**, 238, 166714 | 2.5 | 1 |
| 16 | Hole Content Dependent Fluctuation Diamagnetism in YBa2Cu3O7 Possible Role of the Pseudogap. *Journal of Superconductivity and Novel Magnetism*,1 | 1.5 | 1 |

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| 15 | Magnetic Field- and Frequency-Dependent Study of the AC Susceptibility of High-Tc YBCO Single Crystal. *Journal of Superconductivity and Novel Magnetism*,1 | 1.5 | 0 |
| 14 | First-principles insights into mechanical, optoelectronic, and thermo-physical properties of transition metal dichalcogenides ZrX2 (X = S, Se, and Te). *AIP Advances*, **2022**, 12, 025011 | 1.5 | 0 |
| 13 | First-principles prediction of pressure dependent mechanical, electronic, optical, and superconducting state properties of NaC6: A potential high-Tc superconductor. *Results in Physics*, **2022**, 33, 105182 | 3.7 | 0 |
| 12 | A density functional theory approach to the effects of C and N substitution at the B-site of the first boride MAX phase Nb2SB. *Materials Today Communications*, **2021**, 29, 102910 | 2.5 | 0 |
| 11 | Unusual Enhancement of Normal and Superconducting State Properties of (100-x)YBa2Cu3O7-□ + xNi (x = 1, 2.5, 5, 7.5, 10, and 15 wt%) Composites with Low Level of Ni Additives. *Journal of Superconductivity and Novel Magnetism*, **2020**, 33, 661-674 | 1.5 | 0 |
| 10 | Doping and disorder dependent isotope exponent in hole doped cuprates. *Journal of Physics: Conference Series*, **2021**, 1718, 012005 | 0.3 | 0 |
| 9 | Structural, Elastic and Electronic Properties of Nitride Ti2CdN Phase in Comparison with the Carbide Ti2CdC Phase from First-principles Study. *Journal of Physics: Conference Series*, **2021**, 1718, 012019 | 0.3 | 0 |
| 8 | Optoelectronic, thermodynamic and vibrational properties of intermetallic MgAl2Ge2: a first-principles study. *SN Applied Sciences*, **2021**, 3, 1 | 1.8 | 0 |
| 7 | Optical response, lithiation and charge transfer in Sn-based 211 MAX phases with electron localization function. *Journal of Materials Research and Technology*, **2022**, 18, 2470-2479 | 5.5 | 0 |
| 6 | Possible applications of Mo2C in the orthorhombic and hexagonal phases explored via ab-initio investigations of elastic, bonding, optoelectronic and thermophysical properties. *Results in Physics*, **2022**, 105505 | 3.7 | 0 |
| 5 | First-principles insights into the mechanical, optoelectronic, thermophysical, and lattice dynamical properties of binary topological semimetal BaGa2. *Results in Physics*, **2022**, 37, 105507 | 3.7 | 0 |
| 4 | Variation of copper-isotope exponent with oxygen stoichiometry in YBa2Cu3O6+x. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2000**, 270, 191-194 | 2.3 | |
| 3 | Pair Breaking, Pseudogap, and Superconducting Tc of Hole-Doped Cuprates: Interrelations and Implications. *Journal of Superconductivity and Novel Magnetism*, **2019**, 32, 1617-1622 | 1.5 | |
| 2 | In-plane resistivity of hole doped cuprates: role of pseudogap and quantum criticality*. *Journal of Physics: Conference Series*, **2021**, 1718, 012020 | 0.3 | |
| 1 | A first-principles study of a new ternary silicide superconductor Li2IrSi3□ *Journal of Physics: Conference Series*, **2021**, 1718, 012018 | 0.3 | |