# Hasan HÃ¼seyin Kart

List of Publications by Year
in descending order



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|---|---|---|---|
| 26 papers | 577 citations | 567144 15 h-index | 610775 24 g-index |
| 26 all docs | 26 docs citations | 26 times ranked | 543 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Quantum mechanical calculations of different monomeric structures with the same electroactive group to clarify the relationship between structure and ultimate optical and electrochemical properties of their conjugated polymers. Journal of Physics and Chemistry of Solids, 2021, 149, 109720. | 1.9 | 10 |
| 2 | Theoretical investigations on HgTe chalcogenide materials under high pressure. Physica Scripta, 2021, 96, 045703. | 1.2 | 3 |
| 3 | Atomic-scale insights into structural and thermodynamic stability of spherical Al@Ni and Ni@Al coreâ€“shell nanoparticles. Journal of Nanoparticle Research, 2020, 22, 1. | 0.8 | 9 |
| 4 | The analysis of the stress corrosion effects for H atom in the symmetrical tilt Ni Î£ 5 (012) grain boundary structure. Materials Today: Proceedings, 2017, 4, 7011-7017. | 0.9 | 0 |
| 5 | A combined experimental and DFT investigation of disazo dye having pyrazole skeleton. Journal of Molecular Structure, 2017, 1129, 222-230. | 1.8 | 32 |
| 6 | New coumarin-based disperse disazo dyes: Synthesis, spectroscopic properties and theoretical calculations. Journal of Molecular Liquids, 2016, 223, 557-565. | 2.3 | 21 |
| 7 | Synthesis and investigation of the properties of novel azocalix[4]arenes. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 146, 151-162. | 2.0 | 6 |
| 8 | First principles lattice dynamics study of SnO2 polymorphs. Journal of Alloys and Compounds, 2015, 633, 272-279. | 2.8 | 7 |
| 9 | Theoretical study of the structureâ€“properties relationship in new class of 2,5-di(2-thienyl)pyrrole compounds. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 137, 1174-1183. | 2.0 | 18 |
| 10 | Synthesis and structural study on (1E,2E,1â€²E,2â€²E)-3,3â€²-bis[(4-bromophenyl)-3,3â€²-(4-methy-1,2-phenylene) Tj ETQq0 0 0 rgBT / Spectroscopy (English Translation of Optika I Spektroskopiya), 2015, 118, 865-881. | 0.2 | 8 |
| 11 | Synthesis and characterization of three novel Schiff base compounds: Experimental and theoretical study. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2015, 119, 467-484. | 0.2 | 8 |
| 12 | Synthesis and DFT calculation of a novel 5,17-di(2-antracenylazo)-25,27-di(ethoxycarbonylmethoxy)-26,28-dihydroxycalix[4]arene. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 136, 607-617. | 2.0 | 18 |
| 13 | Physical properties of Cu nanoparticles: A molecular dynamics study. Materials Chemistry and Physics, 2014, 147, 204-212. | 2.0 | 72 |
| 14 | High pressure phase transitions in SnO2 polymorphs by first-principles calculations. Journal of Alloys and Compounds, 2014, 587, 638-645. | 2.8 | 29 |
| 15 | Synthesis, crystal structure and ab initio/DFT calculations of a derivative of dithiophosphonates. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 122, 582-590. | 2.0 | 21 |
| 16 | Ab initio/DFT calculations of butyl ammonium salt of O,Oâ€²-dibornyl dithiophosphate. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 129, 421-428. | 2.0 | 13 |
| 17 | Density functional theory study of tin and titanium dioxides: Structural and mechanical properties in the tetragonal rutile phase. Materials Science in Semiconductor Processing, 2014, 28, 59-65. | 1.9 | 4 |
| 18 | Ab initio studies of NMR chemical shifts for calix[4]arene and its derivatives. Structural Chemistry, 2009, 20, 113-119. | 1.0 | 17 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | DFT studies of sulfur induced stress corrosion cracking in nickel. Computational Materials Science, 2009, 44, 1236-1242. | 1.4 | 35 |
| 20 | Elastic properties and pressure induced transitions of ZnO polymorphs from first-principle calculations. Journal of Alloys and Compounds, 2009, 484, 431-438. | 2.8 | 85 |
| 21 | MOLECULAR DYNAMICS STUDY OF THE COALESCENCE OF EQUAL AND UNEQUAL SIZED <font>Cu</font> NANOPARTICLES. International Journal of Modern Physics C, 2009, 20, 179-196. | 0.8 | 20 |
| 22 | B3â€“B1 phase transition and pressure dependence of elastic properties of ZnS. Materials Chemistry and Physics, 2008, 111, 559-564. | 2.0 | 30 |
| 23 | Thermodynamical and mechanical properties of Pdâ€“Ag alloys. Computational Materials Science, 2005, 32, 107-117. | 1.4 | 50 |
| 24 | Thermal and mechanical properties of Cuâ€“Au intermetallic alloys. Modelling and Simulation in Materials Science and Engineering, 2005, 13, 657-669. | 0.8 | 36 |
| 25 | STRUCTURAL AND DYNAMICAL PROPERTIES OF LIQUID PDâ€“AG ALLOYS. International Journal of Modern Physics B, 2004, 18, 2257-2269. | 1.0 | 9 |
| 26 | Simulation of crystallization and glass formation of binary Pdâ€“Ag metal alloys. Journal of Non-Crystalline Solids, 2004, 342, 6-11. | 1.5 | 16 |