Defang Duan

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135
papers

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| # | Paper | IF | Citations |
|-----|--|-----------------|-----------|
| 135 | Pressure-induced metallization of dense (HB)HDwith high-Tc superconductivity. <i>Scientific Reports</i> , 2014 , 4, 6968 | 4.9 | 502 |
| 134 | Pressure-induced decomposition of solid hydrogen sulfide. <i>Physical Review B</i> , 2015 , 91, | 3.3 | 213 |
| 133 | Structure and superconductivity of hydrides at high pressures. <i>National Science Review</i> , 2017 , 4, 121-13 | 8 5 10.8 | 65 |
| 132 | Mechanical and metallic properties of tantalum nitrides from first-principles calculations. <i>RSC Advances</i> , 2014 , 4, 10133 | 3.7 | 52 |
| 131 | Superconducting praseodymium superhydrides. <i>Science Advances</i> , 2020 , 6, eaax6849 | 14.3 | 49 |
| 130 | Pressure-induced phase transition in hydrogen-bonded supramolecular adduct formed by cyanuric acid and melamine. <i>Journal of Physical Chemistry B</i> , 2009 , 113, 14719-24 | 3.4 | 49 |
| 129 | Nitrogen concentration driving the hardness of rhenium nitrides. Scientific Reports, 2014, 4, 4797 | 4.9 | 47 |
| 128 | Stability of hydrogen-bonded supramolecular architecture under high pressure conditions: pressure-induced amorphization in melamine-boric acid adduct. <i>Langmuir</i> , 2009 , 25, 4787-91 | 4 | 46 |
| 127 | Polyhydride CeH with an atomic-like hydrogen clathrate structure. <i>Nature Communications</i> , 2019 , 10, 3461 | 17.4 | 44 |
| 126 | Alkaline-earth metal (Mg) polynitrides at high pressure as possible high-energy materials. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 9246-9252 | 3.6 | 43 |
| 125 | A Novel Polymerization of Nitrogen in Beryllium Tetranitride at High Pressure. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 9766-9772 | 3.8 | 38 |
| 124 | Cubic C96: a novel carbon allotrope with a porous nanocube network. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 10448-10452 | 13 | 38 |
| 123 | Superconductivity of LaH10 and LaH16 polyhydrides. <i>Physical Review B</i> , 2020 , 101, | 3.3 | 38 |
| 122 | Hydrogen bond symmetrization and superconducting phase of HBr and HCl under high pressure: An ab initio study. <i>Journal of Chemical Physics</i> , 2010 , 133, 074509 | 3.9 | 37 |
| 121 | Divergent synthesis routes and superconductivity of ternary hydride MgSiH6 at high pressure. <i>Physical Review B</i> , 2017 , 96, | 3.3 | 32 |
| 120 | High-temperature superconductivity in sulfur hydride evidenced by alternating-current magnetic susceptibility. <i>National Science Review</i> , 2019 , 6, 713-718 | 10.8 | 32 |
| 119 | Hydrogen Pentagraphenelike Structure Stabilized by Hafnium: A High-Temperature Conventional Superconductor. <i>Physical Review Letters</i> , 2020 , 125, 217001 | 7.4 | 31 |

(2018-2010)

| 118 | Pressure-induced phase transition in hydrogen-bonded supramolecular structure: guanidinium nitrate. <i>Journal of Physical Chemistry B</i> , 2010 , 114, 6765-9 | 3.4 | 30 | |
|-----|--|---------------|----|--|
| 117 | Synthesis of molecular metallic barium superhydride: pseudocubic BaH. <i>Nature Communications</i> , 2021 , 12, 273 | 17.4 | 29 | |
| 116 | High-Pressure Synthesis of Magnetic Neodymium Polyhydrides. <i>Journal of the American Chemical Society</i> , 2020 , 142, 2803-2811 | 16.4 | 28 | |
| 115 | Modulated T carbon-like carbon allotropes: an ab initio study. <i>RSC Advances</i> , 2014 , 4, 17364 | 3.7 | 28 | |
| 114 | High pressure structures and superconductivity of AlH3(H2) predicted by first principles. <i>RSC Advances</i> , 2015 , 5, 5096-5101 | 3.7 | 26 | |
| 113 | Prediction of superconducting ternary hydride MgGeH: from divergent high-pressure formation routes. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 27406-27412 | 3.6 | 26 | |
| 112 | Structures and Properties of Osmium Hydrides under Pressure from First Principle Calculation. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 15905-15911 | 3.8 | 25 | |
| 111 | Pressure-Induced Structures and Properties in Indium Hydrides. <i>Inorganic Chemistry</i> , 2015 , 54, 9924-8 | 5.1 | 23 | |
| 110 | Bonding Properties of Aluminum Nitride at High Pressure. <i>Inorganic Chemistry</i> , 2017 , 56, 7494-7500 | 5.1 | 22 | |
| 109 | Stability of Sulfur Nitrides: A First-Principles Study. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 1515-152 | 20 3.8 | 22 | |
| 108 | p-Aminobenzoic acid polymorphs under high pressures. <i>RSC Advances</i> , 2014 , 4, 15534-15541 | 3.7 | 21 | |
| 107 | Phase diagram, mechanical properties, and electronic structure of Nb-N compounds under pressure. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 22837-45 | 3.6 | 20 | |
| 106 | Stability and properties of the Ru-H system at high pressure. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 1516-20 | 3.6 | 20 | |
| 105 | Structural properties and halogen bonds of cyanuric chloride under high pressure. <i>Journal of Physical Chemistry B</i> , 2011 , 115, 4639-44 | 3.4 | 20 | |
| 104 | Effect of nonhydrostatic pressure on superconductivity of monatomic iodine: An ab initio study. <i>Physical Review B</i> , 2009 , 79, | 3.3 | 20 | |
| 103 | Miscibility and ordered structures of MgO-ZnO alloys under high pressure. <i>Scientific Reports</i> , 2014 , 4, 5759 | 4.9 | 19 | |
| 102 | The low coordination number of nitrogen in hard tungsten nitrides: a first-principles study. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 13397-402 | 3.6 | 19 | |
| 101 | High-Pressure Formation of Cobalt Polyhydrides: A First-Principle Study. <i>Inorganic Chemistry</i> , 2018 , 57, 181-186 | 5.1 | 19 | |

| 100 | Pressure-Driven Topological Transformations of Iodine Confined in One-Dimensional Channels. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 25052-25058 | 3.8 | 19 |
|-----|---|------------------|-----|
| 99 | High-Temperature Superconducting Phases in Cerium Superhydride with a T_{c} up to 115[K below a Pressure of 1[Megabar. <i>Physical Review Letters</i> , 2021 , 127, 117001 | 7.4 | 19 |
| 98 | First-principles study on the structural and electronic properties of metallic HfH2 under pressure. <i>Scientific Reports</i> , 2015 , 5, 11381 | 4.9 | 18 |
| 97 | High-pressure close-packed structure of boron. <i>RSC Advances</i> , 2014 , 4, 203-207 | 3.7 | 17 |
| 96 | Ultrahard boron-rich tantalum boride: Monoclinic TaB 4. <i>Journal of Alloys and Compounds</i> , 2014 , 617, 660-664 | 5.7 | 16 |
| 95 | Predicted structures and superconductivity of hypothetical Mg-CH4compounds under high pressures. <i>Materials Research Express</i> , 2015 , 2, 046001 | 1.7 | 16 |
| 94 | Pressure induced phase transition in MHI(M = V, Nb). <i>Journal of Chemical Physics</i> , 2014 , 140, 114703 | 3.9 | 16 |
| 93 | Ab Initio Approach and Its Impact on Superconductivity. <i>Journal of Superconductivity and Novel Magnetism</i> , 2019 , 32, 53-60 | 1.5 | 16 |
| 92 | Moderate Pressure Stabilized Pentazolate Cyclo-N Anion in Zn(N) Salt. <i>Inorganic Chemistry</i> , 2020 , 59, 8002-8012 | 5.1 | 15 |
| 91 | Polymerization of Nitrogen in Ammonium Azide at High Pressures. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 25268-25272 | 3.8 | 14 |
| 90 | Hydrogen Bond in Compressed Solid Hydrazine. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 3236-3243 | 3.8 | 14 |
| 89 | Predicted Formation of H3(+) in Solid Halogen Polyhydrides at High Pressures. <i>Journal of Physical Chemistry A</i> , 2015 , 119, 11059-65 | 2.8 | 14 |
| 88 | Ternary superconducting cophosphorus hydrides stabilized via lithium. <i>Npj Computational Materials</i> , 2019 , 5, | 10.9 | 13 |
| 87 | Effects of magnetic ordering and electron correlations on the stability of FeN. <i>RSC Advances</i> , 2015 , 5, 31270-31274 | 3.7 | 13 |
| 86 | Enhancement of T(c) in the atomic phase of iodine-doped hydrogen at high pressures. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 32335-40 | 3.6 | 13 |
| 85 | Predicted novel metallic metastable phases of polymeric nitrogen at high pressures. <i>New Journal of Physics</i> , 2013 , 15, 013010 | 2.9 | 13 |
| 84 | Stability and Superconductivity of K-P Compounds under Pressure. <i>Inorganic Chemistry</i> , 2017 , 56, 12529 | 9- <u>4.</u> 253 | 412 |
| 83 | Unique Phase Diagram and Superconductivity of Calcium Hydrides at High Pressures. <i>Inorganic Chemistry</i> , 2019 , 58, 2558-2564 | 5.1 | 12 |

| 82 | Ab initio study of germanium-hydride compounds under high pressure. RSC Advances, 2015 , 5, 19432-7 | 194378 | 12 | |
|----|--|--------|----|--|
| 81 | Pressure-Induced Diversity of Estacking Motifs and Amorphous Polymerization in Pyrrole. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 12420-12427 | 3.8 | 12 | |
| 80 | Prediction of stoichiometric PoHn compounds: crystal structures and properties. <i>RSC Advances</i> , 2015 , 5, 103445-103450 | 3.7 | 12 | |
| 79 | Ab initio structure determination of n-diamond. <i>Scientific Reports</i> , 2015 , 5, 13447 | 4.9 | 12 | |
| 78 | Superconducting Zirconium Polyhydrides at Moderate Pressures. <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 646-651 | 6.4 | 12 | |
| 77 | Structural stability and compressive behavior of ZrH2 under hydrostatic pressure and nonhydrostatic pressure. <i>RSC Advances</i> , 2014 , 4, 46780-46786 | 3.7 | 11 | |
| 76 | Ab initio investigation of CaO-ZnO alloys under high pressure. <i>Scientific Reports</i> , 2015 , 5, 11003 | 4.9 | 11 | |
| 75 | A Novel High-Density Phase and Amorphization of Nitrogen-Rich 1H-Tetrazole (CHN) under High Pressure. <i>Scientific Reports</i> , 2017 , 7, 39249 | 4.9 | 10 | |
| 74 | Unexpected calcium polyhydride CaH: A possible route to dissociation of hydrogen molecules. <i>Journal of Chemical Physics</i> , 2019 , 150, 044507 | 3.9 | 10 | |
| 73 | High-temperature superconductivity in ternary clathrate YCaH under high pressures. <i>Journal of Physics Condensed Matter</i> , 2019 , 31, 245404 | 1.8 | 10 | |
| 72 | Structural, mechanical, and electronic properties of Rh2B and RhB2: first-principles calculations. <i>Scientific Reports</i> , 2015 , 5, 10500 | 4.9 | 10 | |
| 71 | Experimental verification of the high pressure crystal structures in NH3BH3. <i>Journal of Chemical Physics</i> , 2014 , 140, 244507 | 3.9 | 10 | |
| 70 | The crystal structure of IrB2: a first-principle calculation. <i>RSC Advances</i> , 2014 , 4, 63442-63446 | 3.7 | 10 | |
| 69 | High-Pressure Bonding Mechanism of Selenium Nitrides. <i>Inorganic Chemistry</i> , 2019 , 58, 2397-2402 | 5.1 | 9 | |
| 68 | Strong covalent boron bonding induced extreme hardness of VB3. <i>Journal of Alloys and Compounds</i> , 2016 , 688, 1101-1107 | 5.7 | 9 | |
| 67 | The crystal structure and superconducting properties of monatomic bromine. <i>Journal of Physics Condensed Matter</i> , 2010 , 22, 015702 | 1.8 | 9 | |
| 66 | CdS Induced Passivation toward High Efficiency and Stable Planar Perovskite Solar Cells. <i>ACS Applied Materials & District Applied & Dist</i> | 9.5 | 9 | |
| 65 | Metallic and anti-metallic properties of strongly covalently bonded energetic AlN nitrides. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 12029-12035 | 3.6 | 8 | |

| 64 | The hydrogen-bond effect on the high pressure behavior of hydrazinium monochloride. <i>Journal of Raman Spectroscopy</i> , 2015 , 46, 266-272 | 2.3 | 8 |
|----|--|-----|---|
| 63 | Ground state structures of tantalum tetraboride and triboride: an ab initio study. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 18074-80 | 3.6 | 8 |
| 62 | How to get superhard MnB2: a first-principles study. <i>Journal of Materials Chemistry</i> , 2012 , 22, 17630 | | 8 |
| 61 | Design Principles for High-Temperature Superconductors with a Hydrogen-Based Alloy Backbone at Moderate Pressure <i>Physical Review Letters</i> , 2022 , 128, 047001 | 7.4 | 8 |
| 60 | Structural properties of ammonium iodide under high pressure. <i>RSC Advances</i> , 2015 , 5, 40336-40340 | 3.7 | 7 |
| 59 | Ab initio study of native point defects in ZnO under pressure. <i>Solid State Communications</i> , 2015 , 201, 130-134 | 1.6 | 7 |
| 58 | The stability of B6 octahedron in BaB6 under high pressure. RSC Advances, 2016, 6, 18077-18081 | 3.7 | 7 |
| 57 | Nitrogen-rich GaN5 and GaN6 as high energy density materials with modest synthesis condition. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2019 , 383, 125859 | 2.3 | 7 |
| 56 | Structural and Electronic Changes of SnBr4 under High Pressure. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 8381-8387 | 3.8 | 7 |
| 55 | Crystal structures and properties of the CH4H2 compound under high pressure. <i>RSC Advances</i> , 2014 , 4, 37569 | 3.7 | 6 |
| 54 | Elastic properties study of single crystal NH3 up to 26 GPa. <i>Journal of Raman Spectroscopy</i> , 2012 , 43, 526-531 | 2.3 | 6 |
| 53 | Superconductive superhard phase of BC7: Predicted via ab initio calculations. <i>Diamond and Related Materials</i> , 2011 , 20, 454-457 | 3.5 | 6 |
| 52 | A new high-pressure polar phase of crystalline bromoform: a first-principles study. <i>Journal of Physical Chemistry B</i> , 2010 , 114, 13933-9 | 3.4 | 6 |
| 51 | High-temperature superconductivity in transition metallic hydrides MH (M = Mo, W, Nb, and Ta) under high pressure. <i>Physical Chemistry Chemical Physics</i> , 2021 , 23, 6717-6724 | 3.6 | 6 |
| 50 | Ab initio molecular dynamic study of solid-state transitions of ammonium nitrate. <i>Scientific Reports</i> , 2016 , 6, 18918 | 4.9 | 5 |
| 49 | Role of TM-TM Connection Induced by Opposite d-Electron States on the Hardness of Transition-Metal (TM = Cr, W) Mononitrides. <i>Inorganic Chemistry</i> , 2019 , 58, 15573-15579 | 5.1 | 5 |
| 48 | The structure and dynamics analysis of one-dimension confined C3V symmetrical C60H18 molecules in single-wall carbon nanotube. <i>CrystEngComm</i> , 2013 , 15, 7723 | 3.3 | 5 |
| 47 | New high-pressure phase of BaHIpredicted by ab initio studies. <i>Journal of Physics Condensed Matter</i> , 2010 , 22, 225401 | 1.8 | 5 |

(2013-2008)

| 46 | Near-edge X-ray absorption fine structure of solid oxygen under high pressure: A density functional theory study. <i>Solid State Communications</i> , 2008 , 147, 126-129 | 1.6 | 5 |
|----|---|-----|---|
| 45 | First principle studies of ZnO1-xSx alloys under high pressure. <i>Journal of Alloys and Compounds</i> , 2019 , 788, 905-911 | 5.7 | 5 |
| 44 | The Structure and Properties of Magnesium-Phosphorus Compounds Under Pressure. <i>Chemistry - A European Journal</i> , 2018 , 24, 11402-11406 | 4.8 | 5 |
| 43 | Formation mechanism of insensitive tellurium hexanitride with armchair-like cyclo-N6 anions. <i>Communications Chemistry</i> , 2020 , 3, | 6.3 | 4 |
| 42 | Revealing unusual rigid diamond net analogues in superhard titanium carbides <i>RSC Advances</i> , 2018 , 8, 14479-14487 | 3.7 | 4 |
| 41 | Structural transitions of NaAlH4 under high pressure by first-principles calculations. <i>Physica B: Condensed Matter</i> , 2011 , 406, 1612-1614 | 2.8 | 4 |
| 40 | Retainable Bandgap Narrowing and Enhanced Photoluminescence in Mn-Doped and Undoped Cs2NaBiCl6 Double Perovskites by Pressure Engineering. <i>Advanced Optical Materials</i> ,2101892 | 8.1 | 4 |
| 39 | Structural and Dynamic Properties of the High-Pressure, High-Temperature Phase of Solid Ammonia Borane. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 6326-6332 | 3.8 | 4 |
| 38 | Structure and superconductivity of protactinium hydrides under high pressure. <i>Journal of Physics Condensed Matter</i> , 2019 , 31, 315403 | 1.8 | 4 |
| 37 | Pressure-induced superconducting CSH with an HS framework. <i>Physical Chemistry Chemical Physics</i> , 2021 , 23, 22779-22784 | 3.6 | 4 |
| 36 | Effect of the Inherent Structure of Rh Nanocrystals on the Hydriding Behavior under Pressure. Journal of Physical Chemistry Letters, 2019 , 10, 774-779 | 6.4 | 3 |
| 35 | Optoelectronic investigation of corundum Mg4Nb2O9 single crystal. <i>Journal of Alloys and Compounds</i> , 2015 , 619, 240-243 | 5.7 | 3 |
| 34 | Emergent property of high hardness for C-rich ruthenium carbides: partial covalent Ru-Ru bonds. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 6108-6115 | 3.6 | 3 |
| 33 | Structures and properties of binary Mg Bi compounds under pressure. <i>Solid State Communications</i> , 2018 , 280, 18-23 | 1.6 | 3 |
| 32 | High pressure superconducting phase of BI3: an ab initio study. <i>RSC Advances</i> , 2014 , 4, 32068-32074 | 3.7 | 3 |
| 31 | Optical floating zone method growth and optical properties of corundum Mg4Nb2O9 single crystal. <i>Journal of Crystal Growth</i> , 2014 , 402, 109-112 | 1.6 | 3 |
| 30 | High-pressure polymorphism as a step towards high density structures of LiAlH4. <i>Applied Physics Letters</i> , 2015 , 107, 041906 | 3.4 | 3 |
| 29 | Structure determination of ultra dense magnesium borohydride: a first-principles study. <i>Journal of Chemical Physics</i> , 2013 , 138, 214503 | 3.9 | 3 |

| 28 | Ternary hypervalent silicon hydrides via lithium at high pressure. <i>Physical Review Materials</i> , 2020 , 4, | 3.2 | 3 |
|----|---|----------------------|-------------|
| 27 | A novel differential display material: KLuSiO: Tb/Bi phosphor with thermal response, time resolution and luminescence color for optical anti-counterfeiting. <i>Journal of Colloid and Interface Science</i> , 2022 , 608, 758-767 | 9.3 | 3 |
| 26 | High-Tc state of lanthanum hydrides. <i>Physical Review B</i> , 2020 , 102, | 3.3 | 3 |
| 25 | First-principles study of ternary Li-Al-Te compounds under high pressure. <i>Solid State Communications</i> , 2018 , 270, 58-64 | 1.6 | 3 |
| 24 | Structural, Electronic, and Optical Properties of ZnO1 lkTex Alloys. <i>Physica Status Solidi - Rapid Research Letters</i> , 2019 , 13, 1900155 | 2.5 | 2 |
| 23 | Insights into Antibonding Induced Energy Density Enhancement and Exotic Electronic Properties for Germanium Nitrides at Modest Pressures. <i>Inorganic Chemistry</i> , 2018 , 57, 10416-10423 | 5.1 | 2 |
| 22 | Crystal structures and properties of nitrogen oxides under high pressure. RSC Advances, 2015, 5, 1033 | 7331 , 03 | 37 <i>9</i> |
| 21 | Ab initio study on the stability of N-doped ZnO under high pressure. <i>RSC Advances</i> , 2015 , 5, 16774-167 | 79 3.7 | 2 |
| 20 | High T c Superconductivity in Heavy Rare Earth Hydrides. <i>Chinese Physics Letters</i> , 2021 , 38, 107401 | 1.8 | 2 |
| 19 | Unusual structure and chemical behavior of potassium-indium under pressure. <i>Solid State Communications</i> , 2019 , 287, 77-82 | 1.6 | 2 |
| 18 | The hardness mechanism and bonding properties of CrN2: A first principle study. <i>Computational Materials Science</i> , 2019 , 158, 282-288 | 3.2 | 2 |
| 17 | High-pressure structures of helium and carbon dioxide from first-principles calculations. <i>Solid State Communications</i> , 2018 , 283, 9-13 | 1.6 | 2 |
| 16 | Pressure-induced structural changes in NH4Br. Journal of Chemical Physics, 2015, 143, 064505 | 3.9 | 1 |
| 15 | Ab Initio Investigation on the Doped H3S by V, VI, and VII Group Elements Under High Pressure. Journal of Superconductivity and Novel Magnetism,1 | 1.5 | 1 |
| 14 | Proposed Superconducting Electride Li_{6}C by sp-Hybridized Cage States at Moderate Pressures. <i>Physical Review Letters</i> , 2021 , 127, 157002 | 7.4 | 1 |
| 13 | Strain-engineering enables reversible semiconductor the taltransition of skutterudite IrAs3. <i>Inorganic Chemistry Frontiers</i> , 2020 , 7, 1108-1114 | 6.8 | 1 |
| 12 | New Cage-Like Cerium Trihydride Stabilized at Ambient Conditions. CCS Chemistry,1012-1018 | 7.2 | 1 |
| 11 | Multistep Dissociation of Fluorine Molecules under Extreme Compression. <i>Physical Review Letters</i> , 2021 , 126, 225704 | 7.4 | 1 |

LIST OF PUBLICATIONS

| 10 | Pressure-Induced Stable Binary Compounds of Magnesium and Germanium. <i>Chemistry - A European Journal</i> , 2018 , 24, 18757-18761 | 4.8 | 1 |
|----|---|-----|---|
| 9 | Stable structures and superconductivity of an At-H system at high pressure. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 24783-24789 | 3.6 | 1 |
| 8 | First-principles investigation of rhodium hydrides under high pressure. <i>Physical Review B</i> , 2021 , 104, | 3.3 | 1 |
| 7 | Pressure-induced structures and properties in PB compounds. <i>Solid State Communications</i> , 2019 , 293, 6-10 | 1.6 | O |
| 6 | Pressure-Induced Superionicity of H in Hypervalent Sodium Silicon Hydrides. <i>Journal of Physical Chemistry Letters</i> , 2021 , 12, 7166-7172 | 6.4 | O |
| 5 | A novel hard superconductor obtained in di-molybdenum carbide (Mo2C) with MoII octahedral structure. <i>Journal of Alloys and Compounds</i> , 2021 , 881, 160631 | 5.7 | O |
| 4 | Strain engineering induced indirect-direct band gap transition of difluorphosphorane. <i>Solid State Communications</i> , 2020 , 311, 113873 | 1.6 | |
| 3 | High pressure structural stability of the Na-Te system. <i>AIP Advances</i> , 2018 , 8, 035123 | 1.5 | |
| 2 | Reply to the R Comment on "High-temperature superconductivity in transition metallic hydrides MH (M = Mo, W, Nb, and Ta) under high pressure"Rby X. Zheng and J. Zheng, , 2022, , DOI: 10.1039/D1CP01474A <i>Physical Chemistry Chemical Physics</i> , 2022 , 24, 1898-1899 | 3.6 | |
| 1 | Pressure-Induced Transition from Spin to Superconducting States in Novel MnN. <i>ACS Omega</i> , 2021 , 6, 21830-21836 | 3.9 | |