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Last 5 years publication list

1. MR Ashwin Kishore, K Larsson, P Ravindran ,Two-Dimensional CdX/C2N (X = S, Se) Heterostructures as Potential Photocatalysts for Water Splitting: A DFT Study, ACS omega 5 (37), 23762-23768 (2020)
2. A Santhosh, P Ravindran, Comment on the paper titled "Two-dimensional Sc2C: A reversible and high capacity hydrogen storage material predicted by first-principles calculations" International Journal of Hydrogen Energy 45 (11), 7254-7256
3. Lokanath Patra, R Vidya, H Fjellvåg and P Ravindran, Giant Magnetoelectric coupling in Multiferroic $PbTi_{1-x}V_xO_3$ from density functional calculations, ACS omega 4 (16), 16743 - 16755 (2019).
4. PD Sreedevi, R. Vidya, and P. Ravindran, Earth-abundant nontoxic direct band gap semiconductors for photovoltaic applications by ab-initio simulations, Solar Energy 190, 350-360 (2019).
5. Vivek Christhunathan, Anu Maria Augustine, Vishnu Sudarsanan, N. Vairamoorthy and P. Ravindran, Ab-initio modelling of new cathode material for Li-ion battery based on the Ti substituted $Li_2Fe(SO_4)_2$, AIP conference proceedings, 2115, 030608 (2019).
6. Vishnu Sudarsanan, Anu Maria Augustine, Vivek Christhunathan, and P. Ravindran, Ab-initio based thermodynamic study on α-$NaMnO_2$ for Na-ion battery applications, AIP conference proceedings, 2115, 030586 (2019).
7. Mukesh K. Choudhary and P. Ravindran, Theoretical investigation on the effect of multinary isoelectronic substitution on TiCoSb based half-Heusler alloys, AIP conference proceedings, 2115, 030440 (2019).
8. Anu Maria Augustine, Vishnu Sudarsanan, Lokanath Patra, M. Kavitha, and P. Ravindran, Li-rich $Li_6Mn_xFe_{1-x}S_4$ as cathode material for Li-ion battery, AIP conference proceedings, 2115, 030623 (2019).
9. M.R. Ashwin Kishore, Anja O. Sjåstad, and P. Ravindran, Influence of hydrogen and halogen adsorption on the photocatalytic water splitting activity of C_2N monolayer: a first-principles study, Carbon 141, 50-58 (2018).
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11. Lokanath Patra and P. Ravindran, Magnetoelectric properties of Pb free Bi_2FeTiO_6: A theoretical investigation, AIP conference proceedings, 1953, 120039 (2018).
12. M.R. Ashwin Kishore and P. Ravindran, Tailoring the Electronic Band Gap and Band Edge Positions in C_2N Monolayer by P and As Substitution for Photocatalytic Water Splitting, J. Phys. Chem. C 121 (40), 22216-22224 (2017).
13. R. Varunaa and P. Ravindran, Phase Stability, Phase Mixing and Phase Separation in Fluorinated Alkaline Earth Hydrides, J. Phys. Chem. C 121 (40), 21806-21820 (2017).

14. Lokanath Patra, M.R. Ashwin Kishore, R. Vidya, Anja O. Sjåstad, H. Fjellvåg, P. Ravindran , Electronic and magnetic structures of hole doped trilayer La4-xSrxNi3O8 from first principles calculations, Inorganic Chemistry 55 (22), 11898-11907 (2016) .
15. M.R. Ashwin Kishore, H. Okamoto, Lokanath Patra, R. Vidya, Anja O. Sjåstad, H. Fjellvåg, P. Ravindran, Theoretical and experimental investigation on structural, electronic, and magnetic properies of layered Mn5O8, Phys. Chem. Chem. Phys. 18, 27885 (2016).