# Van An Dinh

List of Publications by Year
in descending order



| 68 | 2,213 | 430874 | 223800 |
|---|---|---|---|
| papers | citations | 18 h-index | 46 g-index |

| 72 | 72 | 72 | 2288 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Efficient synergism of NiO-NiSe2 nanosheet-based heterostructures shelled titanium nitride array for robust overall water splitting. Journal of Colloid and Interface Science, 2022, 612, 121-131. | 9.4 | 10 |
| 2 | Understanding doping effects on P2 <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Na</mml:mi><mml:mi>x</mml:mi></mml:m | | |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Adsorption of 2-Butanone on Pristine Graphene: A First-principles Study. VNU Journal of Science Mathematics - Physics, 2020, 36, . | 0.1 | 4 |
| 20 | DFT Study on Adsorption of Acetone and Toluene on Silicene. VNU Journal of Science Mathematics - Physics, 2020, 36, . | 0.1 | 4 |
| 21 | Insight into Diffusion Mechanism in Cathode Materials NaVPO<sub>5 </sub>and NaVFPO<sub>4</sub> for Sodium Ion Batteries: DFT Investigation. ECS Meeting Abstracts, 2020, MA2020-02, 275-275. | 0.0 | 0 |
| 22 | Two-dimensional Na<sub>x</sub>SiS as a promising anode material for rechargeable sodium-based batteries: ab initio material design. Physical Chemistry Chemical Physics, 2019, 21, 24326-24332. | 2.8 | 13 |
| 23 | Effects of substitutional Mo and Cr on site occupation and diffusion of hydrogen in the Î²-phase vanadium hydride by first principles calculations. Theoretical Chemistry Accounts, 2019, 138, 1. | 1.4 | 3 |
| 24 | Diffusion mechanism of Na ionâ€“polaron complex in potential cathode materials NaVOPO<sub>4</sub> and VOPO<sub>4</sub> for rechargeable sodium-ion batteries. Physical Chemistry Chemical Physics, 2018, 20, 23625-23634. | 2.8 | 22 |
| 25 | First principles study of the crystal, electronic structure, and diffusion mechanism of polaron-Na vacancy of Na<sub>3</sub>MnPO<sub>4</sub>CO<sub>3</sub>for Na-ion battery applications. Journal Physics D: Applied Physics, 2017, 50, 045502. | 2.8 | 18 |
| 26 | Na-ion diffusion in a NASICON-type solid electrolyte: a density functional study. Physical Chemistry Chemical Physics, 2016, 18, 27226-27231. | 2.8 | 36 |
| 27 | First-principles Calculation of Effects of Carbon on Tetragonality and Magnetic Moment in Feâ€“C System. ISIJ International, 2015, 55, 2483-2491. | 1.4 | 15 |
| 28 | Hybrid functional study of the NASICON-type Na<sub>3</sub>V<sub>2</sub>(PO<sub>4</sub>)<sub>3</sub>: crystal and electronic structures, and polaronâ€“Na vacancy complex diffusion. Physical Chemistry Chemical Physics, 2015, 17, 30433-30439. | 2.8 | 84 |
| 29 | Measuring the Impacts of Internet Banking to Bank Performance: Evidence from Vietnam. Journal of Internet Banking and Commerce, 2015, 20, . | 0.1 | 9 |
| 30 | First-Principles Calculation of the Effects of Carbon on Tetragonality and Magnetic Moment of BCC-Fe. Tetsu-To-Hagane/Journal of the Iron and Steel Institute of Japan, 2014, 100, 1329-1338. | 0.4 | 10 |
| 31 | Quasi-Three-Dimensional Diffusion of Li ions in Li3FePO4CO3: First-Principles Calculations for Cathode Materials of Li-Ion Batteries. Applied Physics Express, 2013, 6, 115801. | 2.4 | 12 |
| 32 | Hybrid functional study on diffusion of silicate cathode material Li<sub>2</sub>NiSiO<sub>4</sub>. Journal of Physics: Conference Series, 2013, 454, 012061. | 0.4 | 13 |
| 33 | First-Principles Study of Charge Compensation in Olivine Positive. ECS Transactions, 2012, 41, 115-127. | 0.5 | 4 |
| 34 | Self-Organized Nanostructures and High Blocking Temperatures in MgO-Based d$^{0}$ Ferromagnets. Japanese Journal of Applied Physics, 2012, 51, 050201. | 1.5 | 24 |
| 35 | A New Insight into the Polaronâ€“Li Complex Diffusion in Cathode Material LiFe$_{1-y}$Mn$_{y}$PO$_{4}$ for Li Ion Batteries. Applied Physics Express, 2012, 5, 045801. | 2.4 | 16 |
| 36 | Diffusion Mechanism of Polaronâ€“Li Vacancy Complex in Cathode Material Li$_{2}$FeSiO$_{4}$. Applied Physics Express, 2012, 5, 125802. | 2.4 | 22 |

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|---|---|---|---|
| 37 | Examining Service Quality and Customer Satisfaction in the Retail Banking Sector in Vietnam. Journal of Relationship Marketing, 2012, 11, 199-214. | 4.4 | 27 |
| 38 | First-principles study of the magnetic properties of nitrogen-doped alkaline earth metal oxides. Physica B: Condensed Matter, 2012, 407, 2875-2878. | 2.7 | 21 |
| 39 | First-Principles Study of Two-Phase Interface in LiFePO4. ECS Meeting Abstracts, 2012, , . | 0.0 | 0 |
| 40 | Self-Organized Nanostructures and High Blocking Temperatures in MgO-Based d0Ferromagnets. Japanese Journal of Applied Physics, 2012, 51, 050201. | 1.5 | 7 |
| 41 | Vacancy formation and attractive interaction between vacancies and Chlorine in Chlorine-doped LiFePO<inf>4</inf>. , 2011, , . | | 0 |
| 42 | First principle prediction of half-metallic ferromagnetism above room temperature in half-heusler alloys. , 2010, , . | | 2 |
| 43 | Half-Metallicity and High-T c Ferromagnetism in Si-containing Half-Heusler Alloys. Journal of Superconductivity and Novel Magnetism, 2010, 23, 79-82. | 1.8 | 8 |
| 44 | First Principle Study of Spinodal Decomposition Thermodynamics in Half-Heusler Alloy CoTi1â^'x Fe x Sb. Journal of Superconductivity and Novel Magnetism, 2010, 23, 75-78. | 1.8 | 6 |
| 45 | First-principles theory of dilute magnetic semiconductors. Reviews of Modern Physics, 2010, 82, 1633-1690. | 45.6 | 959 |
| 46 | First Principle Materials Design of Half-Metallic Ferromagnetic Half-Heusler Alloys. IEEE Transactions on Magnetics, 2009, 45, 2663-2666. | 2.1 | 7 |
| 47 | First-principles material design and perspective on semiconductor spintronics materials. Physica B: Condensed Matter, 2009, 404, 5237-5243. | 2.7 | 10 |
| 48 | Structural and Magnetic Properties of Room Temperature Ferromagnets NiCrZ. Journal of Computational and Theoretical Nanoscience, 2009, 6, 2589-2596. | 0.4 | 11 |
| 49 | New High-T<sub>c</sub>Half-Heusler Ferromagnets NiMnZ (Z=Si, P, Ge, As). Journal of the Physical Society of Japan, 2008, 77, 014705. | 1.6 | 28 |
| 50 | Computational Nano-Materials Design for II-VI Compound Semiconductor-Based Spintronics. Journal of the Korean Physical Society, 2008, 53, 1-12. | 0.7 | 2 |
| 51 | Computational Nano-materials Design for Colossal Thermoelectric-cooling Power by Adiabatic Spin-Entropy Expansion in Nano-superstructures. Japanese Journal of Applied Physics, 2007, 46, L777-L779. | 1.5 | 21 |
| 52 | Computational nano-materials design for high- ferromagnetism in wide-gap magnetic semiconductors. Journal of Magnetism and Magnetic Materials, 2007, 310, 2070-2077. | 2.3 | 68 |
| 53 | Theory of ferromagnetic semiconductors. Physica Status Solidi (A) Applications and Materials Science, 2007, 204, 15-32. | 1.8 | 195 |
| 54 | Ab initio materials design for transparent-conducting-oxide-based new-functional materials. Applied Physics A: Materials Science and Processing, 2007, 89, 19-27. | 2.3 | 35 |

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|---|---|---|---|
| 55 | Pseudo-SIC study on the ferromagnetism induced by carbon in AO-based DMS (A = Mg, Ca, Ba, Sr). Physica Status Solidi C: Current Topics in Solid State Physics, 2006, 3, 4131-4134. | 0.8 | 3 |
| 56 | Exchange Interaction and Tc in Alkaline-Earth-Metal-Oxide-Based DMS without Magnetic Impurities: First Principle Pseudo-SIC and Monte Carlo Calculation. Journal of the Physical Society of Japan, 2006, 75, 093705. | 1.6 | 54 |
| 57 | Dilute magnetic semiconductors based on wide bandgap SiO2 with and without transition metal elements. Solid State Communications, 2005, 136, 1-5. | 1.9 | 35 |
| 58 | Carrier Co-doping Method with Size Compensation to Enhance TC of Mn-doped Nitrides. Journal of Superconductivity and Novel Magnetism, 2005, 18, 47-53. | 0.5 | 8 |
| 59 | Ferromagnetism and Curie temperature of Vanadium-doped nitrides. Microscopy (Oxford, England), 2005, 54, i61-i64. | 1.5 | 9 |
| 60 | Enhancement ofTCby a carrier codoping method with size compensation for nitride-based ferromagnetic dilute magnetic semiconductors. Journal of Physics Condensed Matter, 2004, 16, S5705-S5709. | 1.8 | 7 |
| 61 | Cyclotron resonance of Wigner crystals on liquid helium. Physica E: Low-Dimensional Systems and Nanostructures, 2004, 22, 783-786. | 2.7 | 0 |
| 62 | Materials Design of Transparent and Half-Metallic Ferromagnets of MgO, SrO and BaO without Magnetic Elements. Journal of the Physical Society of Japan, 2004, 73, 2952-2954. | 1.6 | 121 |
| 63 | Theory of cyclotron resonance of correlated electron systems. Physica E: Low-Dimensional Systems and Nanostructures, 2003, 18, 155-156. | 2.7 | 2 |
| 64 | Tc-Enhanced Codoping Method for GaAs-Based Dilute Magnetic Semiconductors. Japanese Journal of Applied Physics, 2003, 42, L888-L891. | 1.5 | 17 |
| 65 | Cyclotron Resonance of Wigner Crystal in Semiconductor Heterostructures. Journal of the Physical Society of Japan, 2003, 72, 1779-1783. | 1.6 | 1 |
| 66 | Effect of Impurity Correlation on the Density of States in Slightly Compensated Heavily Doped Semiconductors. Journal of the Physical Society of Japan, 1997, 66, 140-148. | 1.6 | 3 |
| 67 | On the electron mobility in slightly compensated heavily doped GaAs at low temperatures. Physics Letters, Section A: General, Atomic and Solid State Physics, 1993, 182, 125-129. | 2.1 | 7 |
| 68 | DFT Study on Adsorption of Volatile Organic Compounds on Silicene. , 0, , . | | 0 |