

Tien Quang Nguyen

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Giant Enhancement of Seebeck Coefficient by Deformation of Silicene Buckled Structure in Calcium-Intercalated Layered Silicene Film. <i>Advanced Materials Interfaces</i> , 2022, 9, 2101752.	3.7	26
2	Giant Enhancement of Seebeck Coefficient by Deformation of Silicene Buckled Structure in Calcium-Intercalated Layered Silicene Film (Adv. Mater. Interfaces 1/2022). <i>Advanced Materials Interfaces</i> , 2022, 9, .	3.7	0
3	Low-temperature acanthite-like phase of Cu_2S : Electronic and transport properties. <i>Physical Review B</i> , 2022, 105, .	3.2	8
4	A first-principles study on the electrical conductivity of $\text{Ag}_2\text{S}_{1-x}\text{Se}_x$ ($x=0, 0.25$). <i>TJ, ET, Qq 0 0 0, rgBT /Ovs</i>	3.3	11
5	Interaction of Carbon and Extended Defects in $\hat{\pm}$ -Fe Studied by First-Principles Based Interatomic Potential. <i>Materials Transactions</i> , 2022, 63, 475-483.	1.2	1
6	First-principles calculation of electronic density of states and Seebeck coefficient in transition-metal-doped $\text{Si}\hat{\pm}\text{Ge}$ alloys. <i>Solid State Communications</i> , 2021, 323, 114115.	1.9	6
7	Intrinsic defect formation and the effect of transition metal doping on transport properties in a ductile thermoelectric material $\hat{\pm}\text{-Ag}_2\text{S}$: a first-principles study. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 9773-9784.	2.8	13
8	Correction: Intrinsic defect formation and the effect of transition metal doping on transport properties in a ductile thermoelectric material $\hat{\pm}\text{-Ag}_2\text{S}$: a first-principles study. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 8938-8938.	2.8	6
9	Segregation of Carbon in $\hat{\pm}$ -Fe Symmetrical Tilt Grain Boundaries Studied by First-Principles Based Interatomic Potential. <i>Materials Transactions</i> , 2021, 62, 1057-1063.	1.2	4
10	Thermoelectric power factor enhancement of calcium-intercalated layered silicene by introducing metastable phase. <i>Applied Physics Express</i> , 2021, 14, 115505.	2.4	9
11	Does GaAs bulk lattice really expand due to defects in the low concentration regime?. <i>Solid State Communications</i> , 2020, 316-317, 113918.	1.9	1
12	True bulk As-antisite defect in GaAs(1 $\hat{1}\hat{0}$) identified by DFT calculations and probed by STM/STS measurements. <i>Applied Surface Science</i> , 2020, 511, 145590.	6.1	8
13	Atomic and Effective Pair Interactions in FeC Alloy with Point Defects: A Cluster Expansion Study. <i>ISIJ International</i> , 2019, 59, 2343-2351.	1.4	0
14	Large-scale spin-polarized DFT calculation of electronic properties of GaAs with defects. <i>Materials Research Express</i> , 2019, 6, 055914.	1.6	7
15	Atomistically Kinetic Simulations of Carbon Diffusion in $\hat{\pm}$ -Fe with Point Defect. <i>The Proceedings of the Computational Mechanics Conference</i> , 2019, 2019.32, 250.	0.0	0
16	Development of Fe-C interatomic potential for carbon impurities in $\hat{\pm}$ -iron. <i>Computational Materials Science</i> , 2018, 150, 510-516.	3.0	13
17	Spin-up $\hat{\pm}$ -pristine-like Dirac cone in bridge-structure graphene on Ni(111). <i>Applied Surface Science</i> , 2018, 427, 949-952.	6.1	1
18	First-Principles Study of BCC/FCC Phase Transition Promoted by Interstitial Carbon in Iron. <i>Materials Transactions</i> , 2018, 59, 870-875.	1.2	16

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19	Diffusion Properties of Carbon in Fe-C Alloy using New Tersoff Potential. The Proceedings of the Computational Mechanics Conference, 2018, 2018.31, 237.	0.0	0
20	Another Way of Looking at Reactivity Enhancement in Large-Area Graphene: The Role of Exchange Splitting from First-Principles Methods. Journal of Physical Chemistry C, 2015, 119, 26636-26642.	3.1	1
21	Effect of oxygen vacancy on the adsorption of O ₂ on anatase TiO ₂ (001): A DFT-based study. Surface Science, 2015, 633, 38-45.	1.9	52
22	DFT+U study on the oxygen adsorption and dissociation on CeO ₂ -supported platinum cluster. Applied Surface Science, 2014, 288, 244-250.	6.1	26
23	Molecular oxygen adsorption on ferromagnetic platinum. Chemical Physics Letters, 2013, 555, 125-130.	2.6	9
24	Study of NO oxidation reaction over the Pt cluster supported on γ -Al ₂ O ₃ (111) surface. Current Applied Physics, 2012, 12, S110-S114.	2.4	4
25	Analysis of band gap formation in graphene by Si impurities: Local bonding interaction rules. Chemical Physics Letters, 2011, 515, 85-90.	2.6	13
26	Molecular and Electronic Tuning of Si/Carbon Nanotube Hybrid System. Japanese Journal of Applied Physics, 2011, 50, 045101.	1.5	1
27	Nitric Oxide Adsorption Effects on Metal Phthalocyanines. Journal of Physical Chemistry B, 2010, 114, 10017-10021.	2.6	52
28	The Adsorption of NO on Various Metal Tape-Porphyrins: A First-Principles Study. Journal of the Physical Society of Japan, 2009, 78, 014706.	1.6	10
29	NO adsorption effects on various functional molecular nanowires. Computational Materials Science, 2009, 47, 111-120.	3.0	8
30	DFT study on the adsorption of NO on iron tape-porphyrin. Surface and Interface Analysis, 2008, 40, 1082-1084.	1.8	9
31	Bonding of Pt/Fe overlayer and its effects on atomic oxygen chemisorption from density functional theory study. Surface Science, 2008, 602, 3415-3423.	1.9	15
32	Adsorption of diatomic molecules on iron tape-porphyrin: A comparative study. Physical Review B, 2008, 77, .	3.2	26
33	Atomically Precise Delineation of As Antisite Defect States from Undoped Gallium Arsenide Host Lattice by Scanning Tunneling Microscopy and Spectroscopy Measurements and Density Functional Theory Calculations. Physica Status Solidi (B): Basic Research, 0, , 2100652.	1.5	1