

Abdul Muizz Pradipto

List of Publications by Year in descending order

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35
papers

357
citations

933264

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839398

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all docs

35
docs citations

35
times ranked

622
citing authors

#	ARTICLE	IF	CITATIONS
1	Antisymmetric Magnetic Interactions in Oxo-Bridged Copper(II) Bimetallic Systems. Journal of Chemical Theory and Computation, 2010, 6, 3092-3101.	2.3	51
2	Effect of heavy-metal insertions at Fe/MgO interfaces on electric-field-induced modification of magnetocrystalline anisotropy. Journal of Magnetism and Magnetic Materials, 2017, 429, 214-220.	1.0	33
3	An Organic Spin Valve Embedding a Self-Assembled Monolayer of Organic Radicals. Advanced Materials Interfaces, 2016, 3, 1500855.	1.9	32
4	First-principles study of magnetic interactions in cupric oxide. Physical Review B, 2012, 85, .	1.1	26
5	Microscopic Investigation into the Electric Field Effect on Proximity-Induced Magnetism in Pt. Physical Review Letters, 2018, 120, 157203.	2.9	26
6	Magnetic interactions in LiCu2O2: Single-chain versus double-chain models. Physical Review B, 2012, 86, .	1.1	23
7	Dzyaloshinskii-Moriya interaction in noncentrosymmetric superlattices. Npj Computational Materials, 2021, 7, .	3.5	17
8	Anisotropic interactions opposing magnetocrystalline anisotropy in Sr_3NiPtO_6 . Physical Review B, 2016, 93, .	1.1	16
9	Enhanced perpendicular magnetocrystalline anisotropy energy in an artificial magnetic material with bulk spin-momentum coupling. Physical Review B, 2019, 99, .	1.1	16
10	Interfacial Dzyaloshinskii-Moriya interaction and orbital magnetic moments of metallic multilayer films. AIP Advances, 2017, 7, .	0.6	15
11	Mechanism and electric field induced modification of magnetic exchange stiffness in transition metal thin films on MgO(001). Physical Review B, 2017, 96, .	1.1	9
12	Absolute surface energies of semipolar planes of AlN during metalorganic vapor phase epitaxy growth. Journal of Crystal Growth, 2019, 510, 7-12.	0.7	9
13	Ab initio modelling of magnetic anisotropy in Sr_3NiPtO_6 . Physical Chemistry Chemical Physics, 2016, 18, 4078-4085.	1.3	8
14	Empirical interatomic potential approach to the stability of graphitic structure in BAlN and BGaN alloys. Journal of Crystal Growth, 2018, 504, 13-16.	0.7	8
15	Equilibrium Morphologies of Faceted GaN under the Metalorganic Vapor-Phase Epitaxy Condition: Wulff Construction Using Absolute Surface Energies. Physica Status Solidi (B): Basic Research, 2020, 257, 1900523.	0.7	8
16	Effect of Step Edges on Adsorption Behavior for GaN(0001) Surfaces during Metalorganic Vapor Phase Epitaxy: An Ab Initio Study. Crystal Growth and Design, 2020, 20, 4358-4365.	1.4	8
17	External electric field driven modification of the anomalous and spin Hall conductivities in Fe thin films on MgO(001). Physical Review B, 2018, 97, .	1.1	7
18	Theoretical investigations on the structural stability and miscibility in BAlN and BGaN alloys: bond-order interatomic potential calculations. Japanese Journal of Applied Physics, 2019, 58, SCCB21.	0.8	7

#	ARTICLE	IF	CITATIONS
19	Thermodynamic analysis of semipolar GaN and AlN under metalorganic vapor phase epitaxy growth conditions. Japanese Journal of Applied Physics, 2019, 58, SC1014.	0.8	7
20	Ab initio calculations for the effect of wet oxidation condition on the reaction mechanism at 4H-SiC/SiO ₂ interface. Japanese Journal of Applied Physics, 2020, 59, SMMD01.	0.8	6
21	Electron correlation effects and magneto-optical properties of yttrium iron garnet. AIP Advances, 2020, 10, .	0.6	6
22	Symmetric and asymmetric exchange stiffnesses of transition-metal thin film interfaces in external electric field. Journal of Magnetism and Magnetic Materials, 2018, 457, 97-102.	1.0	4
23	Machine Learning Approach for Data Analysis of Magnetic Orbital Moments and Magnetocrystalline Anisotropy in Transition-Metal Thin Films on MgO(001). Journal of Electronic Materials, 2019, 48, 1319-1323.	1.0	4
24	Theoretical investigations on the growth mode of GaN thin films on an AlN(0001) substrate. Japanese Journal of Applied Physics, 2019, 58, SC1009.	0.8	2
25	Ab initio study for adsorption-desorption behavior on InAs wetting layer surface grown on GaAs(001) substrate. Journal of Crystal Growth, 2020, 532, 125369.	0.7	2
26	Thermodynamic analysis for nonpolar III-nitride surfaces under metalorganic vapor-phase epitaxy conditions. Japanese Journal of Applied Physics, 2020, 59, 028003.	0.8	2
27	First Principles Calculation of Optical Properties of Transition Metals for Surface Plasmon Resonance Application. E-Journal of Surface Science and Nanotechnology, 2020, 18, 133-138.	0.1	2
28	Benchmarking Full-Potential Linearized Augmented Plane Wave (FLAPW) Method for Determination of Muon Stopping Sites in LiF. Key Engineering Materials, 0, 855, 248-252.	0.4	1
29	Roles of growth kinetics on GaN non-planar facets under metalorganic vapor phase epitaxy condition. Applied Physics Express, 2020, 13, 065505.	1.1	1
30	Effect of Film Thickness on Structural Stability for BAlN and B GaN Alloys: Bond Order Interatomic Potential Calculations. Physica Status Solidi (B): Basic Research, 2020, 257, 2000205.	0.7	1
31	An Interpretation for Defect-Induced Structural Transformation in SiC. ECS Transactions, 2018, 86, 427-432.	0.3	0
32	Theoretical Investigations for Surface Reconstructions of Submonolayer InAs Grown on GaAs(001). Physica Status Solidi (A) Applications and Materials Science, 2019, 216, 1800476.	0.8	0
33	Effect of surface reconstructions on misfit dislocation formation in InAs/GaAs(001). Japanese Journal of Applied Physics, 2019, 58, SIIB25.	0.8	0
34	Effect of 4d and 5d Transition-Metal Insertions to Spin-Dependent Transports in Fe/MgO Superlattices. Journal of Electronic Materials, 2019, 48, 1380-1385.	1.0	0
35	Density Functional Theory Approach for Muon Sites Estimation in Mn ₃ Sn. Materials Science Forum, 0, 1028, 199-203.	0.3	0