Rizal Arifin

List of Publications by Year
in descending order

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20 papers	153 citations	1684188 5 h-index	1199594 12 g-index
20 all docs	20 docs citations	20 times ranked	156 citing authors

#	Article	IF	Citations
1	Ab initio molecular dynamics simulation of dissociation of methane on nickel(1 1 1) surface: Unravelling initial stage of graphene growth via a CVD technique. Chemical Physics Letters, 2013, 565, 92-97.	2.6	54
2	Ab Initio Molecular Dynamics Simulation of Ethylene Reaction on Nickel (111) Surface. Journal of Physical Chemistry C, 2015, 119, 3210-3216.	3.1	22
3	Low reactivity of methane on copper surface during graphene synthesis via CVD process: Ab initio molecular dynamics simulation. Chemical Physics Letters, 2014, 610-611, 33-38.	2.6	19
4	First principles calculation of CH4 decomposition on nickel (111) surface. European Physical Journal B, 2015, 88, 1.	1.5	14
5	Ab initio molecular dynamics simulation of ethanol decomposition on platinum cluster at initial stage of carbon nanotube growth. Chemical Physics Letters, 2015, 636, 110-116.	2.6	10
6	Pressure dependence of the structure of liquid NiTi: a molecular dynamics study. Journal of Physics Condensed Matter, 2019, 31, 365401.	1.8	5
7	Evaluation of melting behaviour of Nickel, Titanium, and NiTi alloy using EAM and MEAM type potential. Journal of Physics: Conference Series, 2019, 1171, 012035.	0.4	5
8	Structural Change of TiAl Alloy under Uniaxial Tension and Compression in the <001> Direction: A Molecular Dynamics Study. Metals, 2021, 11, 1760.	2.3	5
9	THE IMPLEMENTATION OF THE MACHINE LEARNING ALGORITHM FOR THE SENTIMENT ANALYSIS OF INDONESIAâ€™S 2019 PRESIDENTIAL ELECTION. IIUM Engineering Journal, 2021, 22, 78-92.	0.8	4
10	Performance of EAM and MEAM Potential for NiTi Alloys: A Comparative Study. IOP Conference Series: Materials Science and Engineering, 2017, 180, 012252.	0.6	3
11	Glassy NiTi produced with different cooling times: Structural investigation using molecular dynamics simulations. Results in Physics, 2019, 15, 102545.	4.1	3
12	Atomic diffusion at the Niâ€“Ti liquid interface using molecular dynamics simulations. Canadian Metallurgical Quarterly, 0, , 1-7.	1.2	3
13	Evaluation of the accuracy of winnowing, rabin karp and knuth morris pratt algorithms in plagiarism detection applications. Journal of Physics: Conference Series, 2020, 1517, 012093.	0.4	2
14	Molecular Dynamics Simulations of Iron-Joining Using Copper as a Filler Metal. Makara Journal of Science, 2018, 22, .	0.3	1
15	Upaya Peningkatan Efektifitas Pengairan Sawah dengan Sistem Kontrol Pompa Air Listrik. Dinamisia Jurnal Pengabdian Kepada Masyarakat, 2019, 3, 228-234.	0.1	1
16	PREDIKSI JUMLAH PERMINTAAN PASAR PRODUK BREM DENGAN MENGGUNAKAN JARINGAN SYARAF TIRUAN METODE PROPAGASI MUNDUR. Multitek Indonesia, 2018, 12, 58.	0.2	1
17	Density functional theory study of dissociative adsorption of H₂ molecules on NiTi (001) surfaces. Proceedings of the Institution of Mechanical Engineers, Part N: Journal of Nanomaterials, Nanoengineering and Nanosystems, 0, , 239779142211145.	0.6	1
18	Design and implementation of water pump control system for rice field irrigation. Journal of Physics: Conference Series, 2020, 1528, 012002.	0.4	0

#	Article	IF	Citations
19	Cooling timesâ€™ dependence on the glassy NiTi at extremely low temperatures: a result from rapid solidification using molecular dynamics simulations. Journal of Physics: Conference Series, 2020, 1428, 012003.	0.4	0
20	A review of detection plagiarism in indonesian language. International Journal Artificial Intelligent and Informatics, 2018, 1, 65.	0.1	0