

Rajan Vohra

List of Publications by Year in descending order

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papers

74
citations

1684188

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19
all docs

19
docs citations

19
times ranked

31
citing authors

#	ARTICLE	IF	CITATIONS
1	Density functional theory investigations on the interaction of uracil with borospherene. Bulletin of Materials Science, 2022, 45, 1.	1.7	4
2	A thymine-based molecular structure to design logic gates and memory devices. Journal of Computational Electronics, 2022, 21, 80.	2.5	2
3	A pursuit to design highly sensitive fullerene-based sensors: adsorption and dissociation phenomenon of toxic sulfur gases on B40 fullerene. Journal of Molecular Modeling, 2020, 26, 17.	1.8	9
4	Borospherene molecular junction-based sensor for detecting radium and radon in water. Journal of Materials Research, 2020, 35, 3048-3057.	2.6	2
5	Adenine based molecular junction as biosensor for detection of toxic phosgene gas. Journal of Molecular Modeling, 2020, 26, 172.	1.8	6
6	Contemplating charge transport by modeling of DNA nucleobases based nano structures. Current Applied Physics, 2020, 20, 653-659.	2.4	2
7	Envisaging quantum transport phenomenon in a muddled base pair of DNA. Pramana - Journal of Physics, 2018, 90, 1.	1.8	3
8	Social media buzz created by #nanotechnology: insights from Twitter analytics. Nanotechnology Reviews, 2018, 7, 521-528.	5.8	12
9	Comparative evaluation of NANO transport properties for DNA nucleobase based molecular junction devices. Journal of Molecular Modeling, 2018, 24, 330.	1.8	3
10	Influence of Anchors on the Quantum Transport Through Benzene Based Molecular Wire. Journal of Bionanoscience, 2018, 12, 58-63.	0.4	3
11	Adenine Based Molecular Biomarker for the Diagnosis of Lead and Mercury Presence in a Live Sample. Journal of Nanoelectronics and Optoelectronics, 2018, 13, 554-561.	0.5	3
12	Expounding Transport Properties of Deoxyribonucleic Acid for Electronic Applications. Advanced Science Letters, 2018, 24, 5982-5988.	0.2	0
13	Scrutiny of Electron Transport Properties of Adenine Molecule Under Dissimilar Miller Orientations. Journal of Bionanoscience, 2017, 11, 363-369.	0.4	6
14	Impact of Different Metallic Electrodes on Quantum Transport Through Deoxyribonucleic Acid. Journal of Computational and Theoretical Nanoscience, 2017, 14, 4137-4142.	0.4	6
15	First Principle Analysis of Biomarker for Lead Concentration. Sensor Letters, 2017, 15, 924-927.	0.4	1
16	Relative analysis of AODV & DSDV routing protocols for MANET based on NS2. , 2016, , .		8
17	Statistical analysis of redundancy based wire-line and wireless networks. , 2012, , .		0
18	Metrics improvement of MANET using reactive protocols approach. , 2012, , .		3

#	ARTICLE	IF	CITATIONS
19	Investigation of transport behavior in borospherene-based molecular wire for rectification applications. Journal of Materials Research, 0, , 1.	2.6	1