

Hassan Raza

List of Publications by Year in descending order

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22
papers

497
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840776

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839539

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24
all docs

24
docs citations

24
times ranked

733
citing authors

#	ARTICLE	IF	CITATIONS
1	Armchair graphene nanoribbons: Electronic structure and electric-field modulation. Physical Review B, 2008, 77, .	3.2	185
2	Controlled synthesis of bilayer graphene on nickel. Nanoscale Research Letters, 2012, 7, 437.	5.7	49
3	Theoretical study of isolated dangling bonds, dangling bond wires, and dangling bond clusters on a H-Si surface. Physical Review B, 2007, 76, .	3.2	48
4	Plasmon dispersion in semimetallic armchair graphene nanoribbons. Physical Review B, 2012, 85, .	3.2	36
5	An extended H $\frac{1}{4}$ ckel theory based atomistic model for $\hat{\text{A}}$ graphene $\hat{\text{A}}$ nanoelectronics. Journal of Computational Electronics, 2008, 7, 372-375.	2.5	28
6	Field modulation in bilayer graphene band structure. Journal of Physics Condensed Matter, 2009, 21, 102202.	1.8	25
7	Zigzag graphene nanoribbons: bandgap and midgap state modulation. Journal of Physics Condensed Matter, 2011, 23, 382203.	1.8	21
8	Three-dimensional extended H $\frac{1}{4}$ ckel theory-nonequilibrium Green $\hat{\text{A}}$ ™s function spin polarized transport model for Fe/MgO/Fe heterostructures. Journal of Applied Physics, 2011, 109, .	2.5	19
9	Incoherent transport through molecules on silicon in the vicinity of a dangling bond. Physical Review B, 2008, 77, .	3.2	16
10	Edge and passivation effects in armchair graphene nanoribbons. Physical Review B, 2011, 84, .	3.2	16
11	Electrical transport in a two-dimensional electron and hole gas on a Si surface. Physical Review B, 2008, 78, .	3.2	15
12	Nonvolatile memory with molecule-engineered tunneling barriers. Applied Physics Letters, 2008, 92, 153109.	3.3	9
13	Statistical Metrology of Metal Nanocrystal Memories With 3-D Finite-Element Analysis. IEEE Transactions on Electron Devices, 2009, 56, 1729-1735.	3.0	9
14	Collective modes of massive Dirac fermions in armchair graphene nanoribbons. Journal of Physics Condensed Matter, 2013, 25, 045303.	1.8	8
15	An atomistic quantum transport solver with dephasing for $\hat{\text{A}}$ field-effect transistors. Journal of Computational Electronics, 2008, 7, 423-426.	2.5	5
16	Independent-Band Tight-Binding Parameters for Fe $\&\#x2013$ MgO $\&\#x2013$ Fe Magnetic Heterostructures. IEEE Nanotechnology Magazine, 2011, 10, 237-243.	2.0	3
17	Molecular memory with atomically smooth graphene contacts. Nanoscale Research Letters, 2013, 8, 476.	5.7	2
18	Material and electrical characterization of stackable planar polysilicon TFT flash memory cell with metal nanocrystals and high-k dielectrics. , 2008, , .		1

#	ARTICLE	IF	CITATIONS
19	Heterogeneous Integration of Molecules in Nonvolatile Memory. , 2008, , .		1
20	Electronic structure modulation for low-power switching. Nanoscale Research Letters, 2013, 8, 74.	5.7	1
21	3D Finite-Element Analysis of Metal Nanocrystal Memories Variations. , 2009, , .		0
22	Stacking Misalignments in Bilayer Graphene. , 2009, , .		0