

Hassan Raza

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

497
citations

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 | Electronic structure modulation for low-power switching. Nanoscale Research Letters, 2013, 8, 74. | 5.7 | 1 |
| 2 | Molecular memory with atomically smooth graphene contacts. Nanoscale Research Letters, 2013, 8, 476. | 5.7 | 2 |
| 3 | Collective modes of massive Dirac fermions in armchair graphene nanoribbons. Journal of Physics Condensed Matter, 2013, 25, 045303. | 1.8 | 8 |
| 4 | Controlled synthesis of bilayer graphene on nickel. Nanoscale Research Letters, 2012, 7, 437. | 5.7 | 49 |
| 5 | Plasmon dispersion in semimetallic armchair graphene nanoribbons. Physical Review B, 2012, 85, . | 3.2 | 36 |
| 6 | Independent-Band Tight-Binding Parameters for Fe#x2013;MgO#x2013;Fe Magnetic Heterostructures. IEEE Nanotechnology Magazine, 2011, 10, 237-243. | 2.0 | 3 |
| 7 | Edge and passivation effects in armchair graphene nanoribbons. Physical Review B, 2011, 84, . | 3.2 | 16 |
| 8 | Zigzag graphene nanoribbons: bandgap and midgap state modulation. Journal of Physics Condensed Matter, 2011, 23, 382203. | 1.8 | 21 |
| 9 | Three-dimensional extended HÃ¼ckel theory-nonequilibrium Greenâ€™s function spin polarized transport model for Fe/MgO/Fe heterostructures. Journal of Applied Physics, 2011, 109, . | 2.5 | 19 |
| 10 | Field modulation in bilayer graphene band structure. Journal of Physics Condensed Matter, 2009, 21, 102202. | 1.8 | 25 |
| 11 | Statistical Metrology of Metal Nanocrystal Memories With 3-D Finite-Element Analysis. IEEE Transactions on Electron Devices, 2009, 56, 1729-1735. | 3.0 | 9 |
| 12 | 3D Finite-Element Analysis of Metal Nanocrystal Memories Variations. , 2009, , . | | 0 |
| 13 | Stacking Misalignments in Bilayer Graphene. , 2009, , . | | 0 |
| 14 | An extended HÃ¼ckel theory based atomistic model forÂgrapheneÂnanoelectronics. Journal of Computational Electronics, 2008, 7, 372-375. | 2.5 | 28 |
| 15 | An atomistic quantum transport solver with dephasing forÂfield-effect transistors. Journal of Computational Electronics, 2008, 7, 423-426. | 2.5 | 5 |
| 16 | Armchair graphene nanoribbons: Electronic structure and electric-field modulation. Physical Review B, 2008, 77, . | 3.2 | 185 |
| 17 | Incoherent transport through molecules on silicon in the vicinity of a dangling bond. Physical Review B, 2008, 77, . | 3.2 | 16 |
| 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 | Nonvolatile memory with molecule-engineered tunneling barriers. Applied Physics Letters, 2008, 92, 153109. | 3.3 | 9 |
| 21 | Electrical transport in a two-dimensional electron and hole gas on a $\text{Si} < \text{Si} >$ Physical Review B, 2008, 78, . | 3.2 | 15 |
| 22 | Theoretical study of isolated dangling bonds, dangling bond wires, and dangling bond clusters on a $\text{H} < \text{H} >$ $\text{Si} < \text{Si} >$ Physical Review B, 2007, 76, . | 3.2 | 48 |