# Mu Wen Chuan

List of Publications by Year
in descending order



| 18 | 84 | 1478505 6 | 1474206 9 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 18 | 18 | 18 | 57 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Device performances analysis of p-type doped silicene-based field effect transistor using SPICE-compatible model. PLoS ONE, 2022, 17, e0264483. | 2.5 | 2 |
| 2 | Semi-analytical modelling and evaluation of uniformly doped silicene nanotransistors for digital logic gates. PLoS ONE, 2021, 16, e0253289. | 2.5 | 0 |
| 3 | Impact of phonon scattering mechanisms on the performance of silicene nanoribbon field-effect transistors. Results in Physics, 2021, 29, 104714. | 4.1 | 7 |
| 4 | Electronic properties and carrier transport properties of low-dimensional aluminium doped silicene nanostructure. Physica E: Low-Dimensional Systems and Nanostructures, 2020, 116, 113731. | 2.7 | 11 |
| 5 | Electronic properties of graphene nanoribbons with line-edge roughness doped with nitrogen and boron. Physica E: Low-Dimensional Systems and Nanostructures, 2020, 117, 113841. | 2.7 | 9 |
| 6 | Device performance of silicene nanoribbon field-effect transistor under ballistic transport. , 2020, , . | | 3 |
| 7 | Carrier transport of rough-edged doped GNRFETs with metal contacts at various channel widths. Superlattices and Microstructures, 2020, 143, 106548. | 3.1 | 7 |
| 8 | Performance metrics of current transport in pristine graphene nanoribbon field-effect transistors using recursive non-equilibrium Green's function approach. Superlattices and Microstructures, 2020, 145, 106624. | 3.1 | 6 |
| 9 | A review of the top of the barrier nanotransistor models for semiconductor nanomaterials. Superlattices and Microstructures, 2020, 140, 106429. | 3.1 | 11 |
| 10 | Compact device modelling of interface trap charges with quantum capacitance in MoS<sub>2</sub>-based field-effect transistors. Semiconductor Science and Technology, 2020, 35, 045023. | 2.0 | 4 |
| 11 | Carrier statistics of highly doped armchair graphene nanoribbons with edge disorder. Superlattices and Microstructures, 2020, 139, 106404. | 3.1 | 3 |
| 12 | 2D Honeycomb Silicon: A Review on Theoretical Advances for Silicene Field-Effect Transistors. Current Nanoscience, 2020, 16, 595-607. | 1.2 | 12 |
| 13 | Electronic properties of zigzag silicene nanoribbons with single vacancy defect. Indonesian Journal of Electrical Engineering and Computer Science, 2020, 19, 76. | 0.8 | 0 |
| 14 | Modeling of lightly-doped drain and source contact with boron and nitrogen in graphene nanoribbon. Chinese Journal of Physics, 2019, 62, 258-273. | 3.9 | 3 |
| 15 | The productiveness of Bootstrap simulator in evaluating the accuracy parameters of measurement system for ball screw. Journal of Physics: Conference Series, 2019, 1366, 012129. | 0.4 | 0 |
| 16 | Electronic properties of silicene nanoribbons using tight-binding approach. , 2019, , . | | 2 |
| 17 | Influence of single vacancy defect at varying length on electronic properties of zigzag graphene nanoribbons. Indonesian Journal of Electrical Engineering and Informatics, 2019, 7, . | 0.3 | 0 |
| 18 | A low cost spectroscopy with Raspberry Pi for soil macronutrient monitoring. Telkomnika (Telecommunication Computing Electronics and Control), 2019, 17, 1867. | 0.8 | 4 |