#### SUBJECT INDEX

3.4 Nino Index air pollution monitoring Arduino Uno clamp-meter copper corona-virus COVID-19 CT Number CTDIvol dioxide El Nino intensity GMR heat conductivity impregnation interface LM35 matlab measurement metal microcontroller modeling nanocomposite nitrogen flow rate noise noise power spectrum optical characterization precipitable water probe rainfall cycle SEIR model sensor gas sol-gel method sputtering substrate bias surface morphology the energy bandgap the thin layer of barium strontium titanate **TiAlN** coating titanium

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