Qeios

Peer Review

Review of: "Plasmonic is based on the interaction process between electromagnetic waves and conduction electrons in metals with nano-sized dimensions"

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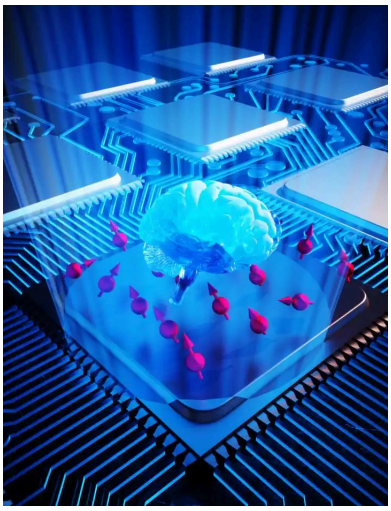
[1] **Analytically, the reason for the rapid energy loss of electrons passing through metals is that this energy is spent on the cumulative and oscillatory motion of free electrons in the metal, which he called plasmon. With the technological approach towards the accumulation of optoelectronic circuits, the problems of manufacturing and the phenomena that helped prevent further compression of the structure caused the use of plasmonic structures and plasmonic waves to be investigated and used. These nanostructures consist of metal and dielectric whose dimensions are below the excitation wavelength (the wavelength of the radiation that excites the plasmonic waves).**



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In electronic science, the topic of nano is centered around (nano memories; nanochips and fast nanochips and nanoelectronic components) with less weight and more efficiency.[2]. The history of nanotechnology describes the development of concepts and experimental work carried out in the field of nanotechnology. [3]. Various types of nanotechnologies, such as further compaction of the structure of electronic devices and appliances , etc., cannot cope with all the practical demands of industrial applications in terms of high resolution, high power, low cost, large area, and patterns on non-flat and curved surfaces. [4]

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References

1. ^*Afshin Rashid. (2023). Review of: "(Field effect nano transistors) Nano transistor electronic quantity and ionization potential)". Qeios. doi:10.32388/464lg7.*
2. ^*Afshin Rashid. (2024). Review of: "Nano Fullerenes with The Ability to Store Electrostatic Energy That can be Used as Nano Supercapacitors With Very High Capacity". Qeios. doi:10.32388/0ubhl5.*
3. ^*Afshin Rashid. (2024). Review of: "Micro and nano-electromechanical systems (MEMS / NEMS) are devices in which the physical motion of a micro- or nano-scale structure is controlled by an electronic circuit". Qeios. doi:10.32388/2zjn6h.*
4. ^*Afshin Rashid. (2024). Review of: "Production of nano supercapacitors using nanoparticles (a piezoelectric and ferroelectric material)". Qeios. doi:10.32388/c2juls.*
5. ^*Afshin Rashid. (2023). Review of: "The concept of (Nano assembler) in smart electronic nano structures". Qeios. doi:10.32388/atyte1.*
6. ^*Afshin Rashid. (2023). Review of: "Reproduction (electrical nano memories) by the method combined nanolithography (ıғV), Fast switching speed (ı microsecond)". Qeios. doi:10.32388/jg1x8x.*
7. ^*Afshin Rashid. (2023). Review of: "Nano electrical memories and testing Nickel nanoparticles NI nanoparticle Strong conductors of electric current". Qeios. doi:10.32388/sbe8l8.*
8. ^*Afshin Rashid. (2023). Review of: "Experiment (nanoelectronic memory) using small organic molecules Chlorophyll pseudo instead of charge storage capacitors". Qeios. doi:10.32388/k0x2ro.*
9. ^*Afshin Rashid. (2024). <div> Scanning Tunneling Microscope (STM) or Scanning Probe Nano Lithography or (SPL) in the Range (Below 20 Nanometers) </div>. SSRN Journal. doi:10.2139/ssrn.4973950.*

10. ^Afshin Rashid. (2024). Nano Uorescences and their Application in Various Elds such as Nano Electronic Applications (Making Nano Electrodes used in Certain Electrical Circuits, Nano Photonics). SSRN Journal. doi:10.2139/ssrn.4973937.
11. ^Afshin Rashid. (2024). <div> Nano Carbon Atoms Of a Nano Graphitic Sheet (Graphene) Form a Planar Lattice Network </div>. SSRN Journal. doi:10.2139/ssrn.4970207.
12. ^Afshin Rashid. (2024). Nano Lasers (Continuous Waves or CW) Structure and Function. SSRN Journal. doi:10.2139/ssrn.4968495.
13. ^Afshin Rashid. (2023). Review of: "Nano wire immersion method (structure and function)". Qeios. doi:10.32388/0od0gl.
14. ^Afshin Rashid. (2023). Review of: "Propagation of Oligophenylene vanillin nanowires by focused ion beam (FIB) nanolithography method (below ۱۰۰ nm - ۱۰ nm range)". Qeios. doi:10.32388/whhfa8.
15. ^Afshin Rashid. (2023). Review of: "Oligophenylene vanillin (silicon/germanium) structured nanowires and cylinders for possible applications in electronic energy". Qeios. doi:10.32388/i5wrmf.
16. ^Afshin Rashid. (2025). Review of: "Fabrication of Nanoelectronic Circuits in the Development and Reduction of The Volume of Smart Electronic Circuits". doi:10.32388/od6pm2.
17. ^Afshin Rashid. (2025). Review of: "(Plasmonic Nanoparticles and Nanoelectronics) Study of Small Changes in The Dielectric Around Nanovolumes". doi:10.32388/33fj2l.
18. ^Afshin Rashid. (2025). Review of: "Since the use of optical nano-antennas to collect solar energy provides a practical solution with high efficiency compared to other common photovoltaic technologies". doi:10.32388/vodlf8.
19. ^Afshin Rashid. (2024). Review of: "distribution of nanotubes by NIR-vis-UV absorption spectroscopyresulting in preparation like valence electrons (dopingP)". Qeios. doi:10.32388/jg6x41.
20. ^Afshin Rashid. (2024). Review of: "Nano supercapacitor called (electrostatic) -- The total thickness of each < a i=4>electrostatic nanocapacitors only 25 nm". Qeios. doi:10.32388/247k3y.
21. ^Afshin Rashid. (2024). Review of: "bipolar transistors (pMOS) have a state voltage connected (Von) around ۲ to ۳ volts". Qeios. doi:10.32388/c8zgvw.
22. ^Afshin Rashid. (2024). Review of: " Lindemann's change structure section in electrical nanostructures Lindemann change / (change structure) in multilayer nanostructures". Qeios. doi:10.32388/ttqb0i.

Attachments: available at https://doi.org/10.32388/BWI31N

Declarations

Potential competing interests: No potential competing interests to declare.