

Research Interest



MAGNETOPLASMONIC

 Somaye Sadeghi	 Morteza Oskoei
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 S.M. Hoseini	





Neuro Plasmonic

 Fooziah Sohrabi
 Sajede Saeidifard
 Tannaz Asadishad
 Mohsen Kiaei

Plexcitonic

 Maryam Mirahmadi
 Hossein Mbarak
 Tayebe Mahinroosta

Sensor

 Nastaran Khajemiri
 Neda Roostaei
 Yaser Mohammad
 Arash Shiraz

1. Magnetophotonic crystals and photonic crystals
2. Surface Plasmon resonance and enhanced Magneto-optical rotation (Magneto-plasmonic)
3. Isolators
4. Neuro-plasmonics
5. Plexcitonics

6. Mach Zehnder Interferometers
7. Pulsed Laser Deposition of thin films and multilayer systems
8. All optical gates
9. Nanophotonics
10. Magnetic Nanowires
11. Magnetic nanoparticles
12. Microwave filters
13. Magnetoplasmonic Nanoparticles
14. Piezophotonics
15. Sensors