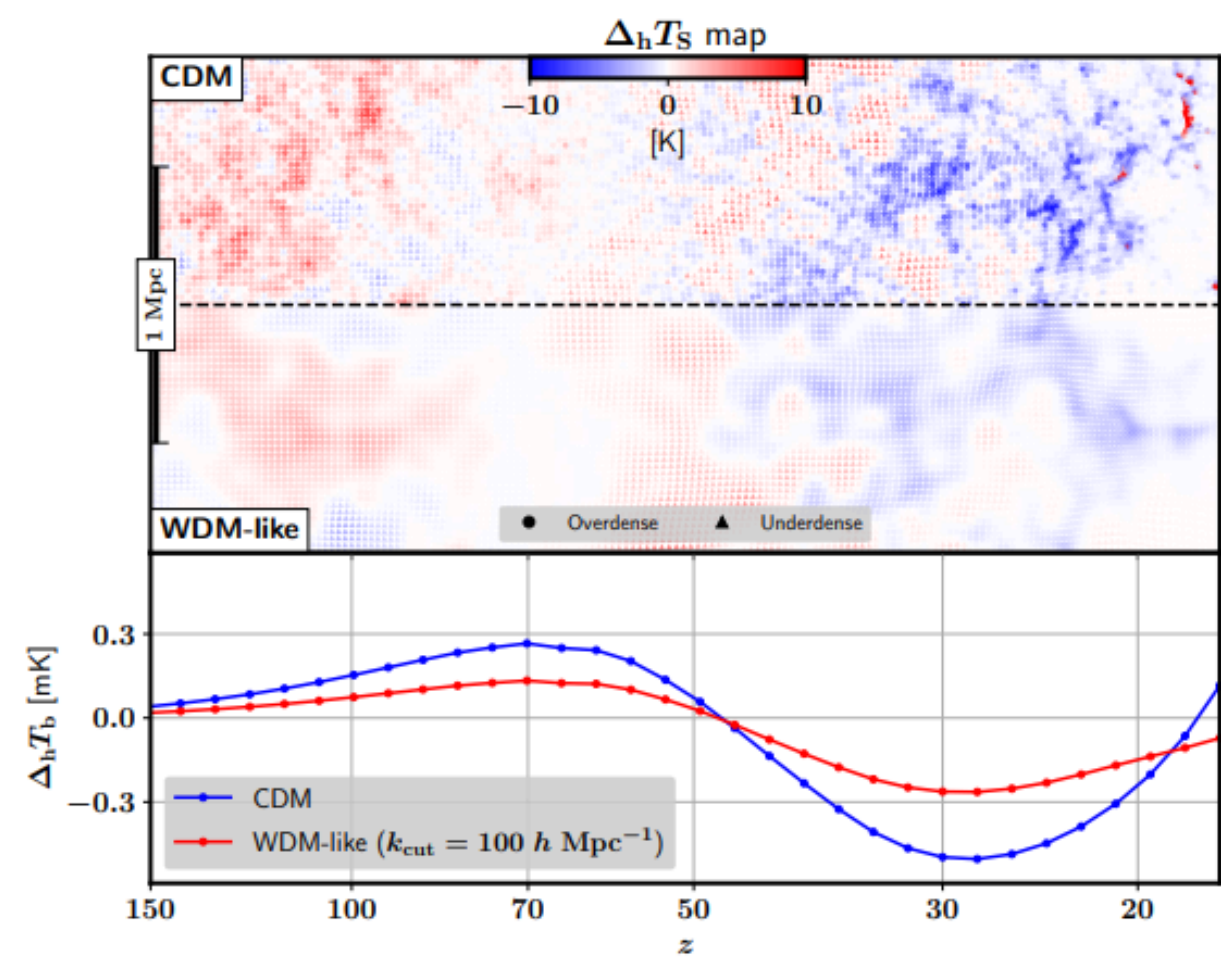


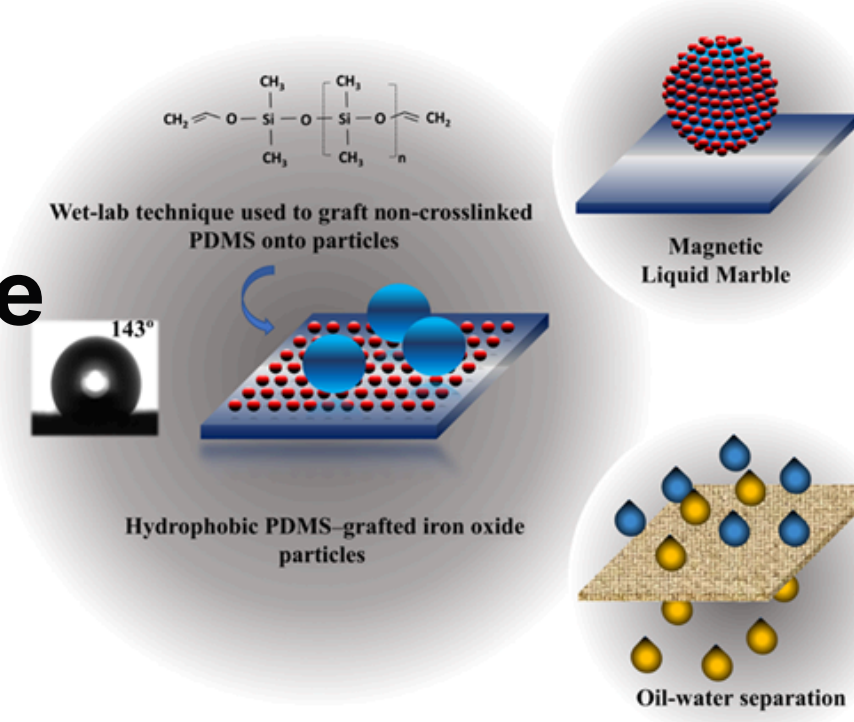
Gravity & Astrophysics

- Research Topic: The signature of subgalactic dark matter clumping in the global 21-cm signal of hydrogen.
- Authors: H. Park; R. Barkana; N. Yoshida; S. Sikder; R. Mondal; A. Fialkov
- Journal: Nature Astronomy
- Impact Factor: 15.2 | Q1



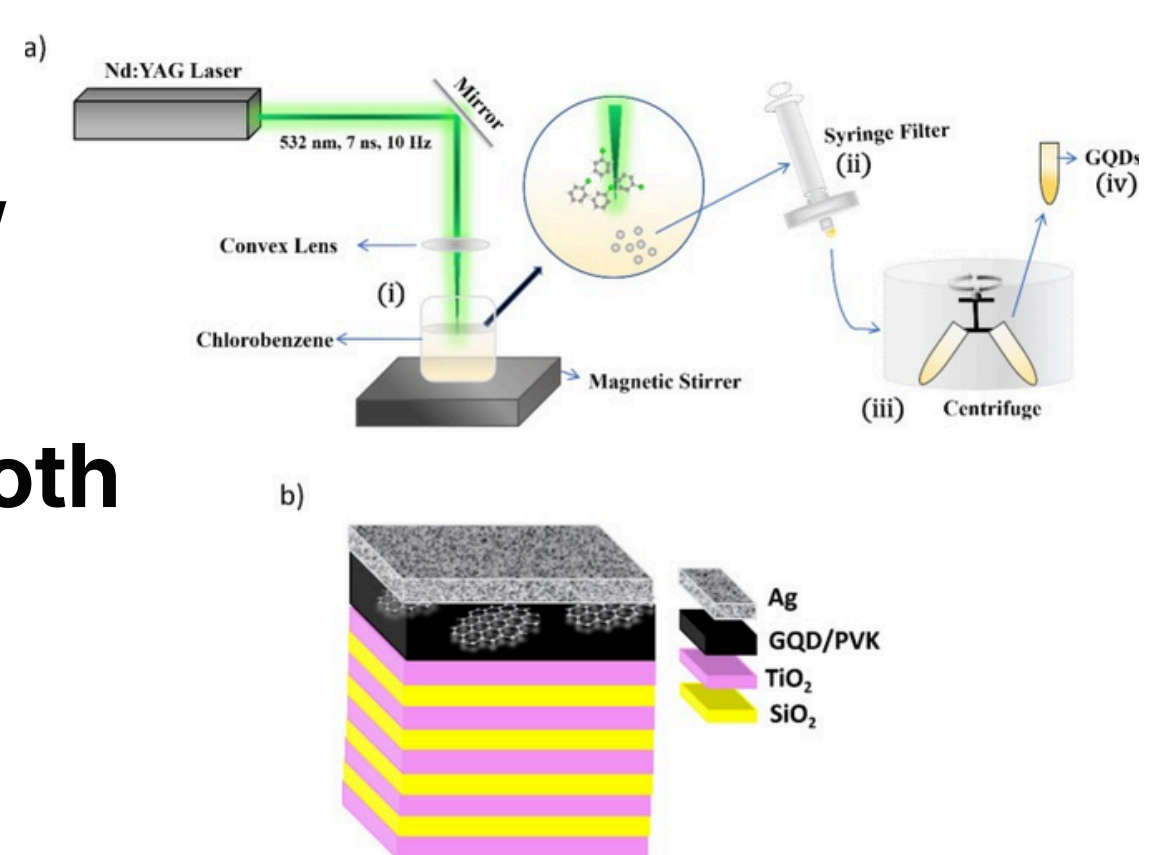
Soft Matter / Statistical Physics

- Research Topic: Simple Fabrication of PDMS-Grafted Hydrophobic Iron Oxide Particles for Oil-Water Separation and Stimuli-Responsive Liquid Marbles.
- Authors: Swithin Hanosh; Bindhu Sunilkumar Lekshmi; Subramanyan Namboodiri Varanakkottu; Sajan D. George
- Journal: ACS Applied Polymer Materials
- Impact Factor: 5.2 | Q1



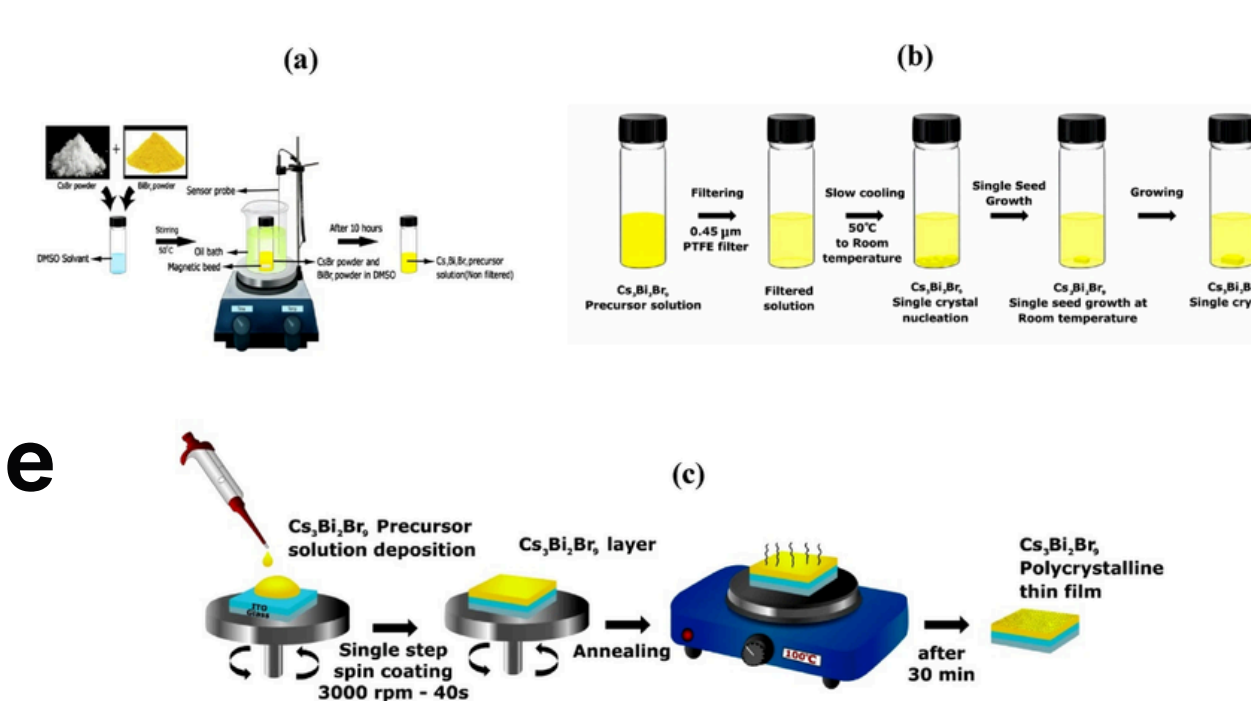
Optics & Photonics / Nanomaterials

- Research Topic: Impact of Tamm plasmon structures on fluorescence and optical nonlinearity of graphene quantum dots.
- Authors: Hasana Jahan Elamkulavan, Nikhil Puthiya Purayil, Sanjay Subramaniam, Chandrasekharan Keloth
- Journal: Scientific Reports
- Impact Factor: 4.9 | Q1



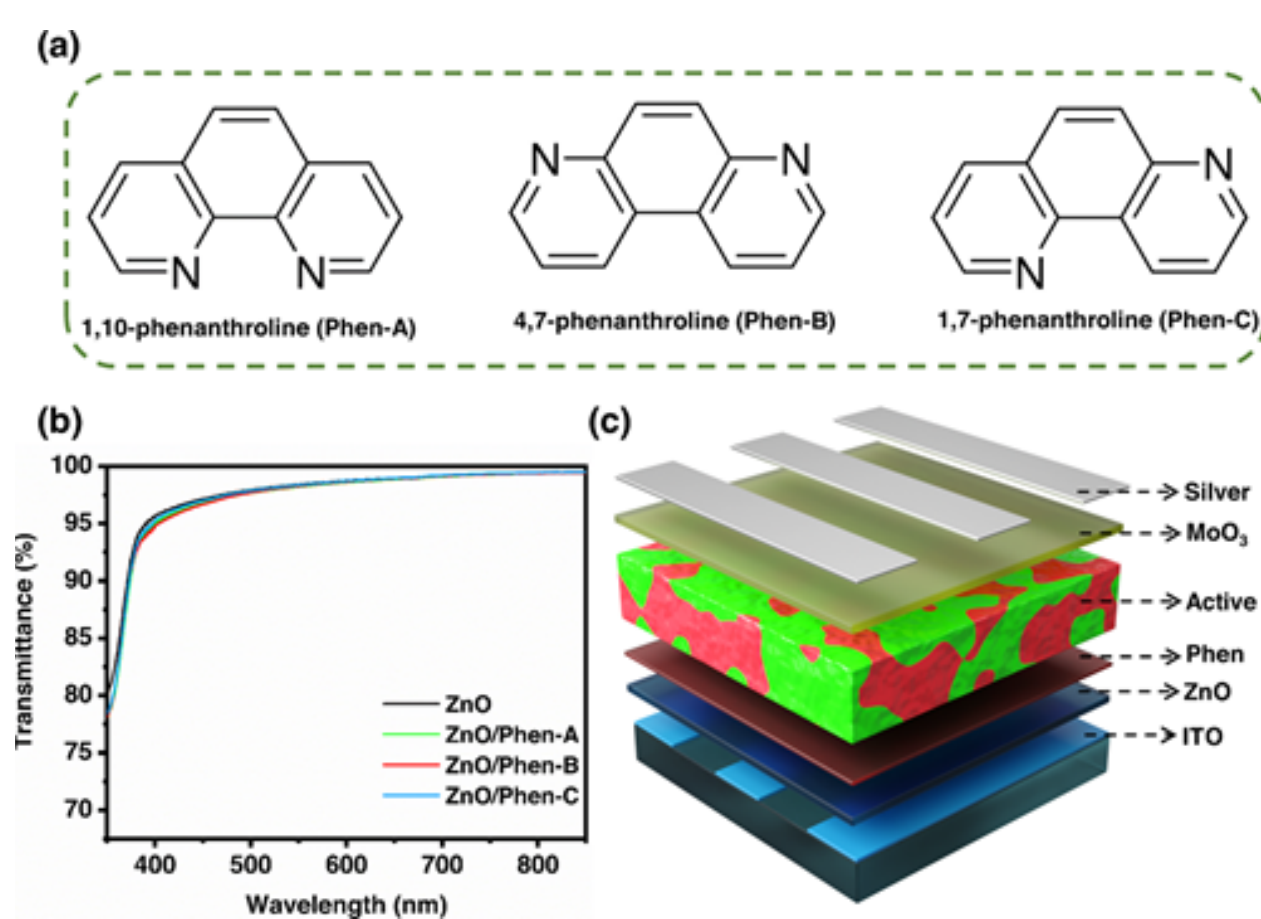
Condensed Matter Physics

- Research Topic: Crystallographic insights and optoelectronic characterization of Cs₃Bi₂Br₉ perovskite: single crystal and polycrystalline analysis.
- Authors: P. Sujith; T. Abhinav; Goutam Kumar Chandra; Ashok Kumar Baswa; Saidi Reddy Parne
- Journal: Journal of Materials Science: Materials in Electronics
- Impact Factor: 3.2 | Q2



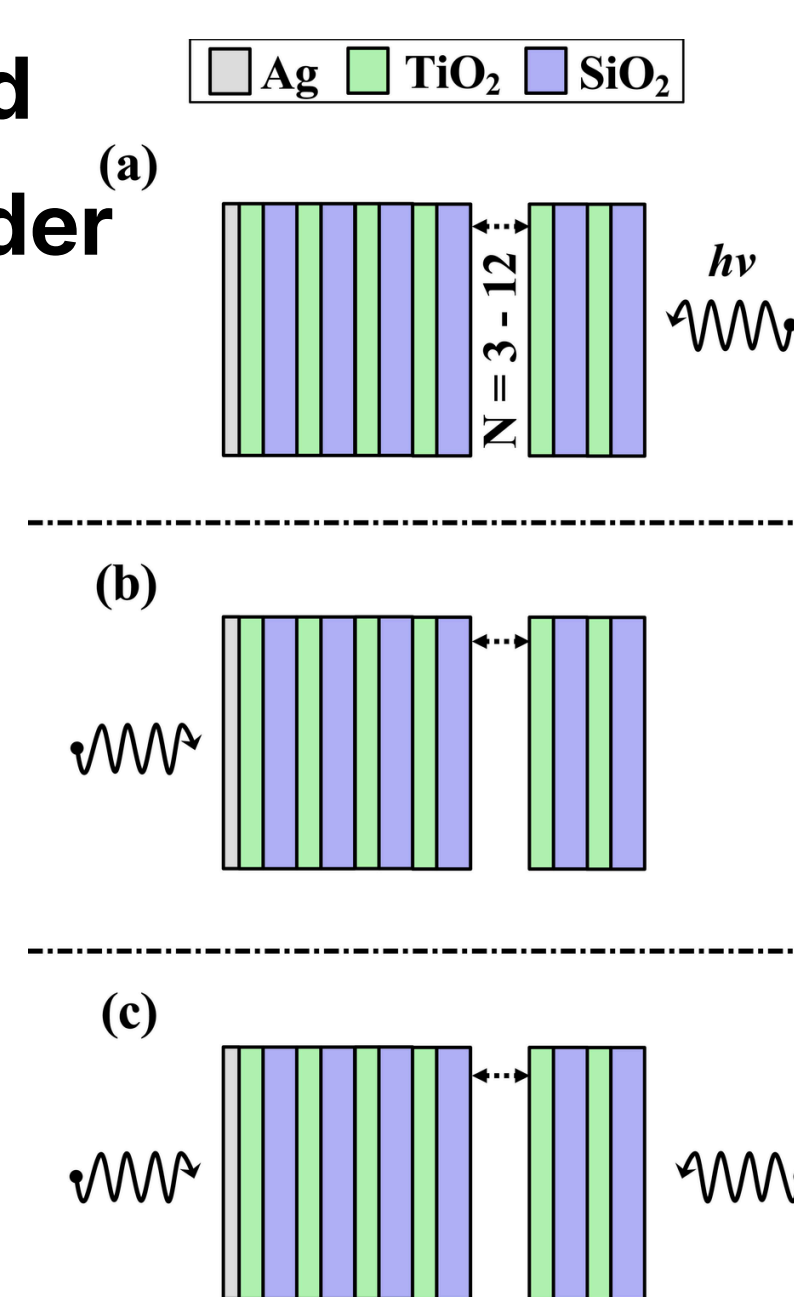
Condensed Matter Physics / Solar Cells

- Research Topic: Organophosphorus ligand-coordinated ZnO cathode buffer layers in organic solar cells—Work function reduction and performance enhancement
- Authors: Anoop C Sathyadevan Nair, Anju Rajan, KP Raj, Dipangkor Basumatary, Kavya Murali, Pattiyil Parameswaran, CS Sangeeth, Raghu Chatanathodi, Vari Sivaji Reddy
- Journal: Applied Physics Letters
- Impact Factor: 3.8 | Q2



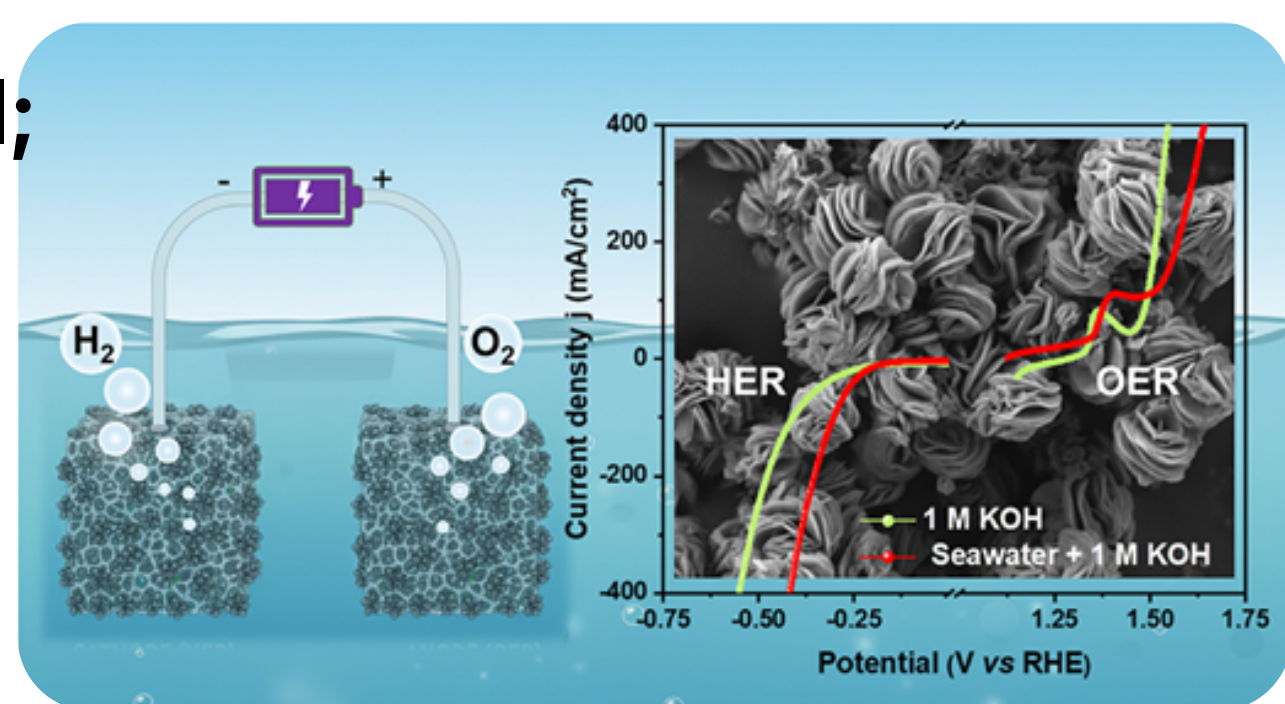
Optics, Photonics & Spectroscopy

- Research Topic: Deep neural network assisted investigation of Tamm plasmon polaritons under simultaneous bidirectional excitation.
- Authors: Naseeb Abdu Taikkaden; Binu Jose A.; Pranesh Das; Anirban Sarkar
- Journal: Engineering Research Express
- Impact Factor: 1.8 | Q2



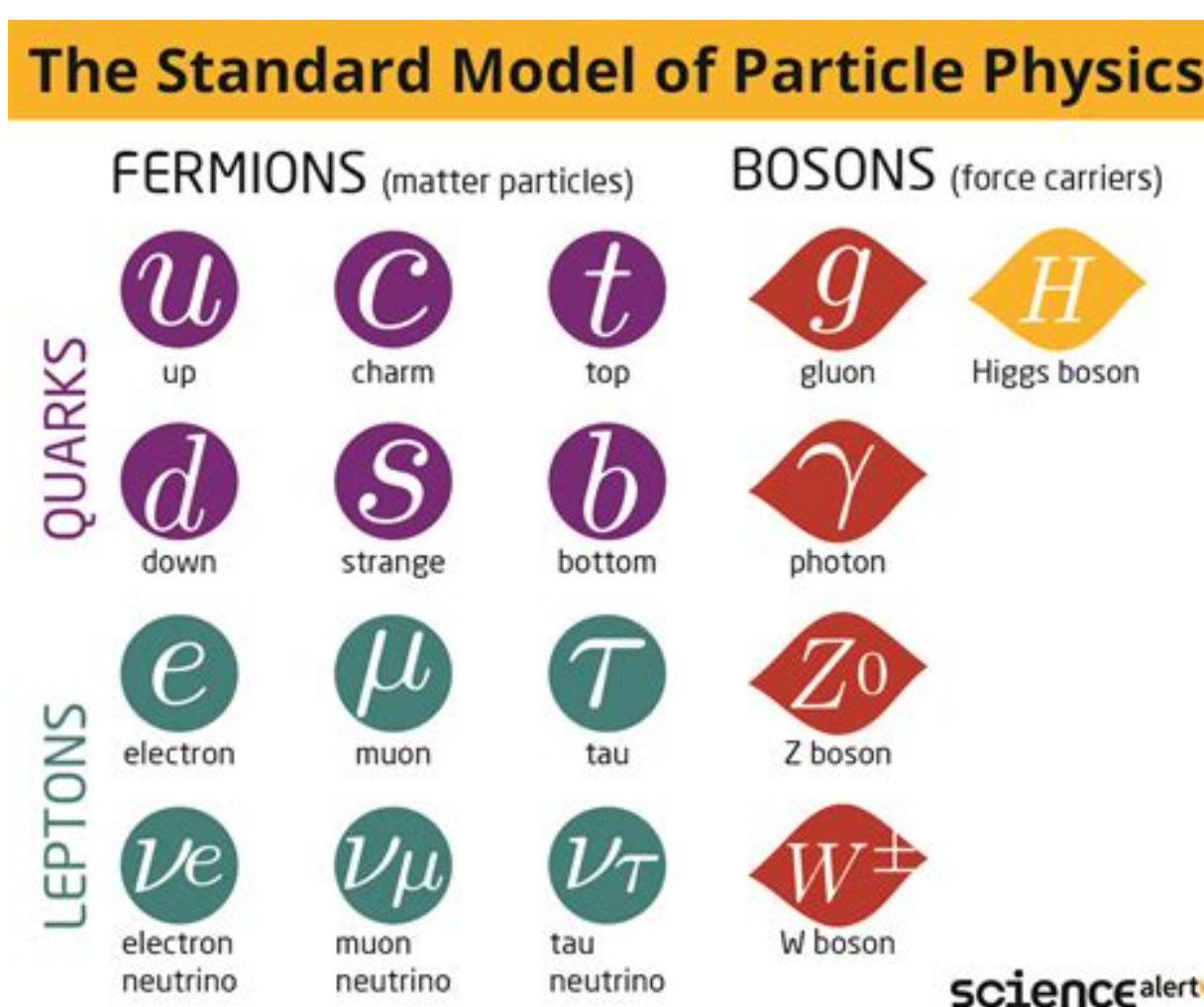
Nano-/Energy Materials & Devices

- Research Topic: Iron-Decorated VS₂ Nanosheets as a Bifunctional Catalyst for Alkaline Water/Seawater Electrolysis
- Authors: Raj R Arunya; Nabeel Nafeesa Abu; Jishnu Valiyageetil; Aswathi Ganesan
- Journal: ACS Applied Nano Materials
- Impact Factor: 5.8 | Q2



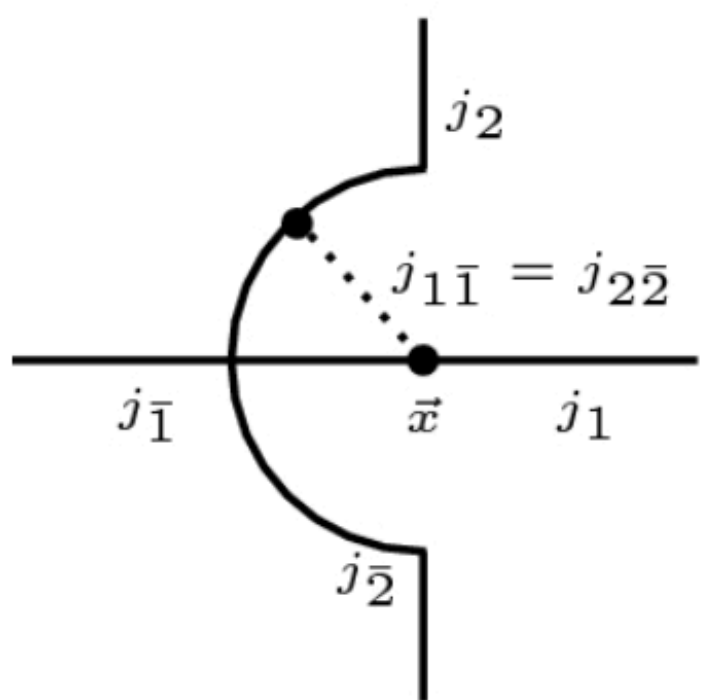
Theoretical / Computational Physics

- Research Topic: Imperfect measurements and conjugate observables
- Authors: Adarsh S.; P. N. Bala Subramanian; Sreeraj T. P.
- Journal: Pramana – Journal of Physics
- Impact Factor: 2.3



Nuclear & Particle Physics

- Research Topic: Gauss law in lattice QCD and its gauge-invariant Hilbert space
- Authors: Sreeraj T. P.; Ramesh Anishetty
- Journal: Indian Journal of Physics
- Impact Factor: 3.2



Electronics & Spectroscopic Sensors

- Research Topic: Pathogenic Escherichia coli (E. coli) detection through tuned nanoparticles enhancement study.
- Authors: Gargibala Satpathy; Goutam Kumar Chandra; E. Manikandan; D. Roy Mahapatra; Siva Umamathy
- Journal: Biotechnology Letters
- Impact Factor: 2.

