

## Publications

1. Arianna Bonizzi, Lorena Signati, Maria Grimaldi, Marta Truffi, Francesca Piccotti, Stella Gagliardi, Giulia Dotti, Serena Mazzucchelli, Sara Albasini, Roberta Cazzola, Debanjan Bhowmik, **Chandrabhas Narayana**, Fabio Corsi, and Carlo Morasso, Exploring breast cancerrelated biochemical changes in circulating extracellular vesicles using Raman spectroscopy, *Biosensors and Bioelectronics* 278, 117287 (2025).
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3. V Amrutha, Kanakangi S Nair, **Chandrabhas Narayana**, and Harish C Barshilia, Fabrication and performance evaluation of a highly stable micro/nanostructured surface using rapid thermal treatment of Si-coated stainless steel for solar thermal applications, *Journal of Alloys and Compounds* 1010, 178093 (2025).
4. Ajana Dutta, Diptikanta Swain, Digamber G. Porob, Janaky Sunil, **Chandrabhas Narayana**, and Tayur N Guru Row, Phase Transitions in a Vanthoffite-Type Compound, Na<sub>6</sub>Zn(SO<sub>4</sub>)<sub>4</sub>: Insights from In Situ PXRD and Raman Spectroscopy, *The Journal of Physical Chemistry A* 128, 10587-10597 (2024).
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10. Bidesh Biswas, Sourav Rudra, Rahul Singh Rawat, Nidhi Pandey, Shashidhara Acharya, Anjana Joseph, Ashalatha Indradevi Kamalasan Pillai, Manisha Bansal, Muireann de h-Óra, Debendra Prasad Panda, Arka Bikash Dey, Florian Bertram, **Chandrabhas Narayana**, Judith MacManus-Driscoll, Tuhin Maity, Magnus Garbrecht, and Bivas Saha, Magnetic Stress-Driven Metal-Insulator Transition in Strongly Correlated Antiferromagnetic CrN *Phys. Rev. Lett.* 131, 126302 (2023).

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14. Janaky Sunil, **Chandrabhas Narayana**, Gayatri Kumari, and Kolleboyina Jayaramulu, Raman spectroscopy, an ideal tool for studying the physical properties and applications of metal-organic frameworks (MOFs), Chemical Society Reviews 52, 3397 (2023).
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