List of posters at NNUM2024

Nr	Presenter	Title of poster
1	Jehona Salaj	Fabrication of free-standing waveguides with microstructured 2D subwavelength cladding using maskless lithography
2	Marte Stalsberg	Atomically Sharp and High-Density Sb Doping in Si for use in Quantum Devices
3	Erlend Ousdal	Controlling directionality of emission from quantum defects through microstructures in Silicon Carbide
4	Angelos Bouchouri	Grayscale Lithography for Infrared Si Fresnel Lens
5	Karola Neeleman	Photolithography of Self-Assembled Monolayers for Selective Area Deposition of Oxides
6	Travis Gustafson	All-Electrical Characterization of Thin-Film Magnonic Devices
7	Gopana Sripalan	The GreinDisc
8	Alessia Garibaldi	Fabrication and ex-situ techniques effects on transport properties of Grain-Boundary YBCO based SQUID magnetometers
9	David Urban	Light-responsive polymers
10	Núria Alcalde Herraiz	Engineering underdoped CuO_2 nanoribbons in nm-thick *a*-axis $YBa_2Cu_3O_{7-\delta}$ films
11	Rajesh K. Rajagopal	Vacancy engineered nickel ferrite forming-free low-voltage resistive switches for neuromorphic circuits
12	Rucha Deshpande	Ultrafast photoinduced wettability switching
13	Jose M. Amenedo	Depostion of Copper Tungstate by Magnetron Sputtering
14	Marcus Hufe	Thin Film Phase Plate Fabrication and Characterization for TEM Imaging
15	Jairo Ramirez Sarabia	Fabrication and testing of conformable implantable devices
16	Lisette H. Gonzalez	Cu-(Sn-Bi) SLID bond microstructure under different temperatures
17	Gayathry Thampi	Effect of temperature on the die shear strength of Au-In-Bi Solid Liquid Interdiffusion (SLID) bonds.

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18	Shuangyue Yang	Microfabricated Planar Inductor for High Power DC-DC Converter’
19	Mattias Ekström	Challenges of via etch and CMP process for multi-level metallisation
20	Osman Urper	Advanced Sustainable TiO2 and ZnO Biocar Nanocomposites: Transforming Water Decontamination and Bacterial Inactivation
21	Patrick Ewerhardt	Fabrication of Interdigitated Electrodes for Proton Ceramic Electrochemical Cells
22	Mustafa Aboulsaad	Vibrational and Optical Properties of Perovskite Nanoplatelets
23	Kunalsinh Rathod	Novel interface-engineered and doped memristors
24	Yuyan Liu	Micropatterned polymeric chips for enhanced production of the antibacterial compound TDA by Phaeobacter inhibens biofilms
25	Maria Serra González	Nanofabrication and Electron Beam Characterization of Plasmonic Metasurfaces
26	Erik Strandberg	Metasurface-integrated vertical-cavity surface-emitting laser for efficient oblique emission
27	Sarah Zayouna	Tuning The Effective Refractive Index of Crystalline Si Thin Films With Controlled Modification of Nanoholes Dimensions by Dry-Etching
28	Marthe Linnerud	Fabrication of TEM Chips through Back-Etching
29	Jessika Jessika	Multiphoton Lithography for 3D Biohybrid Microstructures Fabrication
30	Alexander Grötsch	Fully hybrid microscale 3D metal-ceramic metamaterials
31	Ulrich Vogt	Metal-assisted chemical etching for high-aspect ratio x-ray optics
32	Inês Diogo	Rapid Thermal Processing: Unlocking the Potential of Si Atom Migration
33	Anjali Choubey	Exploring nickelate perovskites for tandem solar applications
34	Snorre Braathen Kjeldby	Tunable properties of II-IV-nitrides for optoelectronic applications
35	Andrius Jurgilaitis	FemtoMAX a nordic beamline to study nanomaterial dynamics
36	Thorstein Wang	Thermal losses to air from 1D heat sources
37	Andreas Rosnes	Combinatorial approach to study redox exsolution processes
38	Hanna Karlsson-Fernberg	Fabrication process optimization of neuroelectronic implants

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39	Mahdi Shanei	Fabrication of rotary swimmer based on silicon metagratings
40	Alan Eduardo Avila Ramirez	Sustainable Fabrication of Organic Electrochemical Transistors and Complementary Amplifiers for Bioelectronics
41	Muhammad Akram	Grayscale lithography and binary lithography of Si for wafer scale Infrared lenses.
42	Nilamani Behera	Ultra-low current 10 nm spin Hall nano-oscillators
43	Guido Sordo	Spray coating litho into cavities
44	Nicolai Winter-Hjelm	Advanced Interfaces for Investigating the Impact of Topology on the Functional Dynamics of Engineered, Biological Neural Networks
45	Xiaofan Ma	Deep plasma etching for SiC and the hard mask choice
46	Oksana Busel	DMTJ fabrication
47	Kartik Totlani	Double emulsion picoreactors for unravelling bacterial in-vitro transcription
48	Saloua Saghir	Integration of biomaterials in microfabrication for neuroelectronic interfaces
49	Nassim Mahammedi	Laser writing-induced color centers in 4H-SiC
50	Sonia Guehairia	The contribution of APT to computational materials design framework for precipitation-hardened high-performance martensitic steels
51	Spyridon Korkos	Structure formation in thin bimetallic films synthesized by temporally modulated vapor fluxes
52	Payel Chatterjee	Epitaxial Growth and In-depth Characterization of Antiferromagnetic FeSn Thin Films
53	Yingying Li	Integrated NEM switches for harsh environment computing
54	Cherrie Lee	Coecive field engineering for periodic domain switching
55	Mattias Åstrand	Simple proximity effect correction for 50 kV electron-beam lithography on thick resist layers for the fabrication of X-ray optics
56	Shruti Jain	'Spotting & Bonding' – A novel method for Multi stack, Wafer-level bonding of PiezoMEMS devices
57	Naveen Shetty	Scalable Fabrication of Edge Contacts to 2D Materials