

List of Publications:

2024

119. "Structural and optical properties of silicon oxycarbide thin films using silane based precursors via sol-gel process", Soma Hansda, Dipika Sarkar, Sukanya Kundu, Ajitesh Kar, Subhankar Bera, Sanjiban Das, Dipayan Sanyal and Milan K. Naskar, *Thin Solid Films*, 791 (2024) 140226

118. "Room temperature cured silver nanoparticles embedded hybrid nanocomposite coatings: Processing and property evaluation", Srikrishna Manna, Prabir Pal, Milan Kanti Naskar, Samar Kumar Medda, *New J. Chem.* DOI: 10.1039/d3nj05382b117 (2024).

117. "Influence of Metal Organic Framework Glasses on Thermoelectric Properties of $\text{AgSb}_{0.96}\text{Zn}_{0.04}\text{Te}_2$ Alloy", Aradhana Acharya, Barnasree Chanda, Madhuvathani Saminathan, Suresh Perumal, K. Jayanthi, K. Annapurna, N. M. Anoop Krishnan, Bhasker Gahtori, Milan Kanti Naskar, Srabanti Ghosh, Amarnath R Allu, Suman Kumari Mishra, *J. Non-Cryst. Solids Journal of Non-Crystalline Solids* 627 (2024) 122816.

116. "Metal oxide nanocrystals embedded polypyrrole nanohybrid: Exploring role of interface in photocatalytic hydrogen generation", Sourabh Pal, Pradip Sekhar Das, Milan Kanti Naskar, Srabanti Ghosh, *Materials Today Sustainability* 25 (2024) 100610

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115. "Room temperature curable inorganic-organic hybrid nanocomposite hydrophobic coating: Mechanistic understanding of the role of Ti(IV) and the diamine based curing agent", Srikrishna Manna, Santanu Maity, Milan Kanti Naskar and Samar Kumar Medda, *New J. Chem.*, 2023, 47, 12992-13003.

114. "Low Temperature Processing of Iron Oxide Nanoflakes from Red Mud Extract toward Favorable De-arsenification of Water Adwitiya Chakraborty", Prasanta Kumar Sinha, and Milan Kanti Naskar, *ACS Omega* 2023, 8, 29281-29291.

113. "Solvothermal Synthesis of Spherical Alumina: Delving into the Formation Mechanism and Morphological Change with Phase Transformation", P. Bose, A.H. Chowdhury, A. Chakraborty, I.H. Chowdhury, and M. K. Naskar, *ChemistrySelect*, 8(1) (2023) e202203279

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112. "Sol-gel synthesis of alumina gel@zeolite X nanocomposite for high performance water defluoridation: Batch and column adsorption study", A. Chakraborty and M.K. Naskar, *Mater. Adv.*, 3 (2022) 8544-8556.

111. "Mesoporous silica-based abrasion resistant antireflective (AR)-cum-hydrophobic coatings on textured solar cover glasses by a spray coating technique", S. Manna, M. K. Naskar and S. K. Medda, *Mater. Adv.*, 3 (2022) 3208-3217.
110. "Porous organic polymer (POP) nanosheets: an efficient photo-catalyst for visible-light assisted CO₂ reduction" S. Das, I.H. Chowdhury, A. Chakraborty, M.K. Naskar, M. Sarkar and S. K. M. Islam, *Mater. Adv.*, 2022, 3, 3165-3173.

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109. "A Preparative Approach of TiO₂-ZrO₂ Coating Using Aquo-Based TiO₂ Precursor Useful for Light Reflective Application" S. Bhattacharyya, S.K. Medda and M. K. Naskar, *Trans. Ind. Ceram. Soc.* 80(4) (2021) 227-233
108. "Study on the Synthesis and Structural Properties of Zeolite A-MgO Composite for Defluoridation of Water" A. Chakraborty and M. K. Naskar, *Trans. Ind. Ceram. Soc.* 80(3) 2021, 199-207.
107. "Carbon-layered double hydroxide nanocomposite for efficient removal of inorganic and organic based water contaminants – unravelling the adsorption mechanism" S. Kundu and M.K. Naskar, *Mat. Adv.* 2, (2001) 3600–3612.
106. "Perspective of Membrane Processes for the Removal of Arsenic from Water : A Review" S. Kundu and M.K. Naskar, *Trans. Ind. Ceram. Soc.* 80(1) (2021) 28-40

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105. "Emulsion based solvothermal synthesis of CuO grainy rod via the formation of quasi-quadrangular prism shaped Cu₂(OH)₃Br for recyclable catalyst of 4-nitrophenol reduction", S. Ghosh, R. Das, S. Kundu and M. K. Naskar, *J. Phys. Chem. Solids* 147 (2020) Art. No. 109551 (<https://doi.org/10.1016/j.jpcs.2020.109551>)
104. "Preparation of colloidal hydrated alumina modified NaA zeolite derived from rice husk ash for effective removal of fluoride ions from water medium", M.K. Naskar, *J. Asian Ceram. Soc.* 8(2) (2020) 437-447.
103. "Investigating the role of amides on the textural and optical properties of mesoporous-nanostructured θ -Al₂O₃", S. Ghosh, S. Kundu, R. Das and M.K. Naskar, *Bull. Mater. Sci.*, 43 (2020) 15

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100. "Single step process without organic template for the formation of zeolite A from RHA" Amit Kumar and Milan Kanti Naskar, *International J. Appl. Ceram. Tech.*, 16 (2019) 1525–1532

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94. "Cauliflower-like hierarchical silicalite-1 supported AuNPs toward improved catalytic reduction of p-nitrophenol," R. Das and M. K. Naskar, New J. Chem. 42 (2018) 476—482
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