

Debdutta Lahiri

List of Publications by Year in descending order

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12
papers

148
citations

1163117

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docs citations

12
times ranked

261
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Correlation between Structure and Ferromagnetism in Nano-BiFeO ₃ . Journal of Physical Chemistry C, 2016, 120, 8411-8416. | 3.1 | 37 |
| 2 | Probing photochemical transformations at TiO ₂ •Pt and TiO ₂ •Ir interfaces using x-ray absorption spectroscopy. Journal of Chemical Physics, 2006, 124, 204720. | 3.0 | 22 |
| 3 | XANES study on novel mixed valent A ₂ U ₄ O ₁₂ (A = K, Rb or Tl) uranates. X-Ray Spectrometry, 2008, 37, 215-218. | 1.4 | 17 |
| 4 | Investigating structural aspects to understand the putative/claimed non-toxicity of the Hg-based Ayurvedic drug <i>Rasasindura</i> using XAFS. Journal of Synchrotron Radiation, 2015, 22, 1233-1241. | 2.4 | 14 |
| 5 | Evidence of active role played by the nonmagnetic element Sr in magnetostructural coupling in SrRuO_3 . Physical Review B, 2010, 82, . | 3.2 | 12 |
| 6 | Structural understanding of the spectral characteristics of SnO ₂ :Eu:Y ₂ O ₃ , using extended x-ray absorption fine structure. Journal of Applied Physics, 2010, 107, 054316. | 2.5 | 12 |
| 7 | XAFS investigation of the role of orientational disorder in the stabilization of the ferromagnetic metallic phase in nanoparticles of La _{0.5} Ca _{0.5} MnO ₃ . Journal of Physics Condensed Matter, 2012, 24, 336001. | 1.8 | 10 |
| 8 | Investigation of short-range structural order in Zr _{69.5} Cu ₁₂ Ni ₁₁ Al _{7.5} and Zr _{41.5} Ti _{41.5} Ni ₁₇ glasses, using X-ray absorption spectroscopy and <i>ab initio</i> molecular dynamics simulations. Journal of Synchrotron Radiation, 2014, 21, 1296-1304. | 2.4 | 9 |
| 9 | XAFS investigation of the correlation of Bi-sublattice disorder with ferromagnetism of multiferroic BiFeO ₃ nanoparticle. Materials Research Express, 2019, 6, 045005. | 1.6 | 7 |
| 10 | Understanding the role of structural disorder on spin polarization in CeMnNi XAFS. Physical Review B, 2010, 82, . | 3.2 | 6 |
| 11 | First phase commissioning of high pressure XAFS setup at ED-XAFS beamline, Indus-2 synchrotron radiation source, India. Journal of Optics (India), 2015, 44, 182-194. | 1.7 | 1 |
| 12 | First high-pressure XAFS results at the bending-magnet-based energy-dispersive XAFS beamline BL-8 at the Indus-2 synchrotron facility. Journal of Synchrotron Radiation, 2020, 27, 988-998. | 2.4 | 1 |