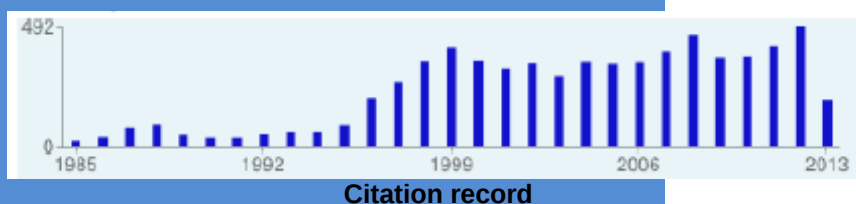


Some of the highly cited papers of Professor A.K.Raychauhuri

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Citation indices

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<u>Title / Author</u>	Number of citations
Structure, electron-transport properties, and giant magnetoresistance of hole-doped LaMnO_3 systems R Mahendiran, SK Tiwary, AK Raychaudhuri, TV Ramakrishnan, R Mahesh, N ... Physical Review B 53 (6), 3348 (1996)	475
Effect of particle size on the giant magnetoresistance of LaCaMnO R Mahesh, R Mahendiran, AK Raychaudhuri, CNR Rao Applied physics letters 68, 2291 (1996)	389
Thermal and elastic anomalies in glasses at low temperatures S Hunklinger, AK Raychaudhuri Progress in Low-Temperature Physics 9, 287-344 (1986)	234
Electrical transport, magnetism, and magnetoresistance in ferromagnetic oxides with mixed exchange interactions: A study of the $\text{La}_{0.7}\text{Ca}_{0.3}\text{Mn}_{1-x}\text{Co}_x\text{O}_3$ system N Gayathri, AK Raychaudhuri, SK Tiwary, Physical Review B 56 (3), 1345 (1997)	229
Giant magnetoresistance in bulk samples of $\text{La}_{1-x}\text{AxMnO}_3$ (A= Sr or Ca) R Mahesh, R Mahendiran, AK Raychaudhuri, CNR Rao Journal of Solid State Chemistry 114 (1), 297-299 (1995)	209
Magnetoresistance of the spin-state-transition compound $\text{La}_{1-x}\text{Sr}_x\text{CoO}_3$ R Mahendiran, AK Raychaudhuri Physical Review B 54 (22), 16044 (1996)	189
Low-temperature electronic properties of a normal conducting perovskite oxide (LaNiO_3) KP Rajeev, GV Shivashankar, AK Raychaudhuri Solid state communications 79 (7), 591-595 (1991)	154
Low frequency elastic properties of glasses at low temperatures—implications on the tunneling model AK Raychaudhuri, S Hunklinger Zeitschrift für Physik B Condensed Matter 57 (2), 113-125 (1984)	140
Identification of the phase responsible for high-temperature superconductivity in Y-Ba-Cu oxides CNR Rao, P Ganguly, AK Raychaudhuri, RA Mohan Ram, K Sreedhar	114

Nature 326 (6116), 856-857 (1987)	
Structural changes and related effects due to charge ordering in Nd _{0.5} Ca _{0.5} MnO ₃ T Vogt, AK Cheetham, R Mahendiran, AK Raychaudhuri, R Mahesh, CNR Rao Physical Review B 54 (21), 15303 (1996)	113
Temperature dependence of the resistance of metallic nanowires of diameter ≥ 15 nm: Applicability of Bloch-Grüneisen theorem A Bid, A Bora, AK Raychaudhuri Physical Review B 74 (3), 035426 (2006)	102
Fabrication of nanowires of multicomponent oxides: Review of recent advances KS Shankar, AK Raychaudhuri Materials Science and Engineering: C 25 (5), 738-751 (2005)	86
Enhanced ferromagnetic transition temperature in nanocrystalline lanthanum calcium manganese oxide (La _{0.67} Ca _{0.33} MnO ₃) KS Shankar, S Kar, GN Subbanna, AK Raychaudhuri Solid State Communications 129 (7), 479-483 (2004)	80
Metal-insulator transition in perovskite oxides: a low-temperature perspective AK Raychaudhuri Advances in Physics 44 (1), 21-46 (1995)	74
Crystal structure and physical properties of half-doped manganite nanocrystals of less than 100-nm size T Sarkar, B Ghosh, AK Raychaudhuri, T Chatterji Physical Review B 77 (23), 235112 (2008)	70