

On the enhancement and the persistent states of anomalous X-ray pulsars.

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We show that the irradiated accretion disk model can account for the contemporaneous optical, infrared and X-ray emission from the anomalous X-ray pulsars in their persistent and enhancement phases. We discuss the plausible strength of the dipole component of the magnetic field of the neutron star indicated by the model fits to the optical data of the anomalous X-ray pulsar 4U 0142+61.