

Indrek Vurm

List of Publications by Year in descending order

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Gamma-Ray Thermalization and Leakage from Millisecond Magnetar Nebulae: Toward a Self-consistent Model for Superluminous Supernovae. <i>Astrophysical Journal</i> , 2021, 917, 77.	4.5	27
2	X-ray spectroscopy of the \hat{I}^3 -ray brightest nova V906â€™Car (ASASSN-18fv). <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 497, 2569-2585.	4.4	15
3	Direct evidence for shock-powered optical emission in a nova. <i>Nature Astronomy</i> , 2020, 4, 776-780.	10.1	58
4	High-energy Neutrinos and Gamma Rays from Nonrelativistic Shock-powered Transients. <i>Astrophysical Journal</i> , 2020, 904, 4.	4.5	29
5	NuSTAR Detection of X-Rays Concurrent with Gamma-Rays in the Nova V5855 Sgr. <i>Astrophysical Journal</i> , 2019, 872, 86.	4.5	22
6	An Embedded X-Ray Source Shines through the Aspherical ATâ€™2018cow: Revealing the Inner Workings of the Most Luminous Fast-evolving Optical Transients. <i>Astrophysical Journal</i> , 2019, 872, 18.	4.5	160
7	A Strong Limit on the Very-high-energy Emission from GRB 150323A. <i>Astrophysical Journal</i> , 2018, 857, 33.	4.5	8
8	High-energy Emission from Nonrelativistic Radiative Shocks: Application to Gamma-Ray Novae. <i>Astrophysical Journal</i> , 2018, 852, 62.	4.5	27
9	Radiation-mediated Shocks in Gamma-Ray Bursts: Pair Creation. <i>Astrophysical Journal</i> , 2018, 858, 7.	4.5	20
10	Polarization of Gamma-Ray Bursts in the Dissipative Photosphere Model. <i>Astrophysical Journal</i> , 2018, 856, 145.	4.5	26
11	On the Prospects of Gamma-Ray Burst Detection in the TeV Band. <i>Astrophysical Journal</i> , 2017, 846, 152.	4.5	14
12	A nova outburst powered by shocks. <i>Nature Astronomy</i> , 2017, 1, 697-702.	10.1	61
13	RADIATIVE TRANSFER MODELS FOR GAMMA-RAY BURSTS. <i>Astrophysical Journal</i> , 2016, 831, 175.	4.5	51
14	Shocks in nova outflows â€™ II. Synchrotron radio emission. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 463, 394-412.	4.4	20
15	MEASURING AMBIENT DENSITIES AND LORENTZ FACTORS OF GAMMA-RAY BURSTS FROM GeV AND OPTICAL OBSERVATIONS. <i>Astrophysical Journal</i> , 2015, 813, 63.	4.5	15
16	ON THE ORIGIN OF GeV EMISSION IN GAMMA-RAY BURSTS. <i>Astrophysical Journal</i> , 2014, 788, 36.	4.5	49
17	PAIR-DOMINATED GeV-OPTICAL FLASH IN GRB 130427A. <i>Astrophysical Journal Letters</i> , 2014, 789, L37.	8.3	20
18	Shocks in nova outflows â€™ I. Thermal emission. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 442, 713-731.	4.4	64

#	ARTICLE	IF	CITATIONS
19	Ionization break-out from millisecond pulsar wind nebulae: an X-ray probe of the origin of superluminous supernovae. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 437, 703-720.	4.4	112
20	Hot accretion flow in black hole binaries: a link connecting X-rays to the infrared. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 430, 3196-3212.	4.4	82
21	ON THERMALIZATION IN GAMMA-RAY BURST JETS AND THE PEAK ENERGIES OF PHOTOSPHERIC SPECTRA. <i>Astrophysical Journal</i> , 2013, 764, 143.	4.5	66
22	A SYNCHROTRON SELF-COMPTON-DISK REPROCESSING MODEL FOR OPTICAL/X-RAY CORRELATION IN BLACK HOLE X-RAY BINARIES. <i>Astrophysical Journal Letters</i> , 2011, 737, L17.	8.3	62
23	GAMMA-RAY BURSTS FROM MAGNETIZED COLLISIONALLY HEATED JETS. <i>Astrophysical Journal</i> , 2011, 738, 77.	4.5	112
24	A self-consistent hybrid Comptonization model for broad-band spectra of accreting supermassive black holes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 414, 3330-3343.	4.4	49
25	THEORY OF COMPTON SCATTERING BY ANISOTROPIC ELECTRONS. <i>Astrophysical Journal, Supplement Series</i> , 2010, 189, 286-308.	7.7	9
26	ON THE ORIGIN OF SPECTRAL STATES IN ACCRETING BLACK HOLES. <i>Astrophysical Journal</i> , 2009, 690, L97-L100.	4.5	73
27	TIME-DEPENDENT MODELING OF RADIATIVE PROCESSES IN HOT MAGNETIZED PLASMAS. <i>Astrophysical Journal</i> , 2009, 698, 293-316.	4.5	57
28	ELECTRON THERMALIZATION AND PHOTON EMISSION FROM MAGNETIZED COMPACT SOURCES. <i>International Journal of Modern Physics D</i> , 2008, 17, 1629-1634.	2.1	6