Nathaniel Roth

List of Publications by Year
in descending order

20	1,363	516561 16	752573 20
papers	citations	h-index	g-index

20	20	20	1407
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	General Relativistic Implicit Monte Carlo Radiation-hydrodynamics. Astrophysical Journal, 2022, 933, 226.	1.6	7
2	Seventeen Tidal Disruption Events from the First Half of ZTF Survey Observations: Entering a New Era of Population Studies. Astrophysical Journal, 2021, 908, 4.	1.6	174
3	Tidal Disruption Event Hosts Are Green and Centrally Concentrated: Signatures of a Post-merger System. Astrophysical Journal Letters, 2021, 908, L20.	3.0	30
4	Forward Modeling Populations of Flares from Tidal Disruptions of Stars by Supermassive Black Holes. Astrophysical Journal, 2021, 910, 93.	1.6	11
5	Distinguishing Tidal Disruption Events from Impostors. Space Science Reviews, 2021, 217, 1.	3.7	25
6	Radiative Emission Mechanisms. Space Science Reviews, 2020, 216, 1.	3.7	25
7	Discovery of Highly Blueshifted Broad Balmer and Metastable Helium Absorption Lines in a Tidal Disruption Event. Astrophysical Journal, 2019, 879, 119.	1.6	38
8	An Embedded X-Ray Source Shines through the Aspherical ATÂ2018cow: Revealing the Inner Workings of the Most Luminous Fast-evolving Optical Transients. Astrophysical Journal, 2019, 872, 18.	1.6	160
9	The First Tidal Disruption Flare in ZTF: From Photometric Selection to Multi-wavelength Characterization. Astrophysical Journal, 2019, 872, 198.	1.6	74
10	The Spectral Evolution of AT 2018dyb and the Presence of Metal Lines in Tidal Disruption Events. Astrophysical Journal, 2019, 887, 218.	1.6	72
11	What Sets the Line Profiles in Tidal Disruption Events?. Astrophysical Journal, 2018, 855, 54.	1.6	59
12	A Unified Model for Tidal Disruption Events. Astrophysical Journal Letters, 2018, 859, L20.	3.0	200
13	Revisiting Optical Tidal Disruption Events with iPTF16axa. Astrophysical Journal, 2017, 842, 29.	1.6	124
14	THE X-RAY THROUGH OPTICAL FLUXES AND LINE STRENGTHS OF TIDAL DISRUPTION EVENTS. Astrophysical Journal, 2016, 827, 3.	1.6	135
15	AN ULTRAVIOLET SPECTRUM OF THE TIDAL DISRUPTION FLARE ASASSN-14li. Astrophysical Journal Letters, 2016, 818, L32.	3.0	55
16	MONTE CARLO RADIATION-HYDRODYNAMICS WITH IMPLICIT METHODS. Astrophysical Journal, Supplement Series, 2015, 217, 9.	3.0	58
17	The dynamics of ultracompact Hâ€‰ii regions. Monthly Notices of the Royal Astronomical Society, 2014, 438, 1335-1354.	1.6	5
18	Learning About Non-Newtonian Fluids in a Student-Driven Classroom. Physics Teacher, 2013, 51, 32-34.	0.2	8

#	Article	IF	Citations
19	THREE-DIMENSIONAL RADIATIVE TRANSFER CALCULATIONS OF RADIATION FEEDBACK FROM MASSIVE BLACK HOLES: OUTFLOW OF MASS FROM THE DUSTY â€œTORUSâ€• Astrophysical Journal, 2012, 759, 36.	1.6	54
20	PSpectRe: a pseudo-spectral code for (P)reheating. Journal of Cosmology and Astroparticle Physics, 2010, 2010, 025-025.	1.9	49