

# Nathaniel Roth

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5499320/publications.pdf>

Version: 2024-02-01

20  
papers

1,363  
citations

516561

16  
h-index

752573

20  
g-index

20  
all docs

20  
docs citations

20  
times ranked

1407  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Unified Model for Tidal Disruption Events. <i>Astrophysical Journal Letters</i> , 2018, 859, L20.	3.0	200
2	Seventeen Tidal Disruption Events from the First Half of ZTF Survey Observations: Entering a New Era of Population Studies. <i>Astrophysical Journal</i> , 2021, 908, 4.	1.6	174
3	An Embedded X-Ray Source Shines through the Aspherical AT2018cow: Revealing the Inner Workings of the Most Luminous Fast-evolving Optical Transients. <i>Astrophysical Journal</i> , 2019, 872, 18.	1.6	160
4	THE X-RAY THROUGH OPTICAL FLUXES AND LINE STRENGTHS OF TIDAL DISRUPTION EVENTS. <i>Astrophysical Journal</i> , 2016, 827, 3.	1.6	135
5	Revisiting Optical Tidal Disruption Events with iPTF16axa. <i>Astrophysical Journal</i> , 2017, 842, 29.	1.6	124
6	The First Tidal Disruption Flare in ZTF: From Photometric Selection to Multi-wavelength Characterization. <i>Astrophysical Journal</i> , 2019, 872, 198.	1.6	74
7	The Spectral Evolution of AT 2018dyb and the Presence of Metal Lines in Tidal Disruption Events. <i>Astrophysical Journal</i> , 2019, 887, 218.	1.6	72
8	What Sets the Line Profiles in Tidal Disruption Events?. <i>Astrophysical Journal</i> , 2018, 855, 54.	1.6	59
9	MONTE CARLO RADIATION-HYDRODYNAMICS WITH IMPLICIT METHODS. <i>Astrophysical Journal, Supplement Series</i> , 2015, 217, 9.	3.0	58
10	AN ULTRAVIOLET SPECTRUM OF THE TIDAL DISRUPTION FLARE ASASSN-14li. <i>Astrophysical Journal Letters</i> , 2016, 818, L32.	3.0	55
11	THREE-DIMENSIONAL RADIATIVE TRANSFER CALCULATIONS OF RADIATION FEEDBACK FROM MASSIVE BLACK HOLES: OUTFLOW OF MASS FROM THE DUSTY "TORUS". <i>Astrophysical Journal</i> , 2012, 759, 36.	1.6	54
12	PSpectRe: a pseudo-spectral code for (P)reheating. <i>Journal of Cosmology and Astroparticle Physics</i> , 2010, 2010, 025-025.	1.9	49
13	Discovery of Highly Blueshifted Broad Balmer and Metastable Helium Absorption Lines in a Tidal Disruption Event. <i>Astrophysical Journal</i> , 2019, 879, 119.	1.6	38
14	Tidal Disruption Event Hosts Are Green and Centrally Concentrated: Signatures of a Post-merger System. <i>Astrophysical Journal Letters</i> , 2021, 908, L20.	3.0	30
15	Radiative Emission Mechanisms. <i>Space Science Reviews</i> , 2020, 216, 1.	3.7	25
16	Distinguishing Tidal Disruption Events from Impostors. <i>Space Science Reviews</i> , 2021, 217, 1.	3.7	25
17	Forward Modeling Populations of Flares from Tidal Disruptions of Stars by Supermassive Black Holes. <i>Astrophysical Journal</i> , 2021, 910, 93.	1.6	11
18	Learning About Non-Newtonian Fluids in a Student-Driven Classroom. <i>Physics Teacher</i> , 2013, 51, 32-34.	0.2	8

#	ARTICLE	IF	CITATIONS
19	General Relativistic Implicit Monte Carlo Radiation-hydrodynamics. <i>Astrophysical Journal</i> , 2022, 933, 226.	1.6	7
20	The dynamics of ultracompact H $\alpha$ regions. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 438, 1335-1354.	1.6	5