

Raphael Shirley

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

1,904
citations

430874

18
h-index

434195

31
g-index

32
all docs

32
docs citations

32
times ranked

3374
citing authors

#	ARTICLE	IF	CITATIONS
1	The 16th Data Release of the Sloan Digital Sky Surveys: First Release from the APOGEE-2 Southern Survey and Full Release of eBOSS Spectra. <i>Astrophysical Journal, Supplement Series</i> , 2020, 249, 3.	7.7	826
2	COSMOS2020: A Panchromatic View of the Universe to $z \approx 10$ from Two Complementary Catalogs. <i>Astrophysical Journal, Supplement Series</i> , 2022, 258, 11.	7.7	140
3	Electronic and optical properties of aluminium-doped anatase and rutile TiO_2 calculations. <i>Physical Review B</i> , 2010, 81, .	3.2	121
4	A statistical approach to develop a detailed soot growth model using PAH characteristics. <i>Combustion and Flame</i> , 2009, 156, 896-913.	5.2	117
5	HELP: modelling the spectral energy distributions of <i>Herschel</i> detected galaxies in the ELAIS N1 field. <i>Astronomy and Astrophysics</i> , 2018, 620, A50.	5.1	80
6	New polycyclic aromatic hydrocarbon (PAH) surface processes to improve the model prediction of the composition of combustion-generated PAHs and soot. <i>Carbon</i> , 2010, 48, 319-332.	10.3	64
7	A coupled CFD-population balance approach for nanoparticle synthesis in turbulent reacting flows. <i>Chemical Engineering Science</i> , 2011, 66, 3792-3805.	3.8	64
8	HELP: a catalogue of 170 million objects, selected at $0.36 \leq \lambda \leq 4.5 \mu\text{m}$, from 1270 deg^2 of prime extragalactic fields. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 490, 634-656.	4.4	55
9	HELP: the <i>Herschel</i> Extragalactic Legacy Project. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 507, 129-155.	4.4	51
10	A detailed kinetic model for combustion synthesis of titania from TiCl_4 . <i>Combustion and Flame</i> , 2009, 156, 1764-1770.	5.2	49
11	Dust attenuation and $\text{H}\alpha$ emission in a sample of galaxies observed with <i>Herschel</i> at $0.6 < z < 1.6$. <i>Astronomy and Astrophysics</i> , 2018, 619, A135.	5.1	45
12	First-Principles Thermochemistry for Silicon Species in the Decomposition of Tetraethoxysilane. <i>Journal of Physical Chemistry A</i> , 2009, 113, 9041-9049.	2.5	37
13	SCUBA-2 Ultra Deep Imaging EAO Survey (Studies). III. Multiwavelength Properties, Luminosity Functions, and Preliminary Source Catalog of $450 \mu\text{m}$ Selected Galaxies. <i>Astrophysical Journal</i> , 2020, 889, 80.	4.5	24
14	First-Principles Thermochemistry for the Combustion of a TiCl_4 and AlCl_3 Mixture. <i>Journal of Physical Chemistry A</i> , 2009, 113, 13790-13796.	2.5	23
15	The role of AGN and obscuration in the position of the host galaxy relative to the main sequence. <i>Astronomy and Astrophysics</i> , 2021, 653, A74.	5.1	23
16	Theoretical insights into the surface growth of rutile TiO_2 . <i>Combustion and Flame</i> , 2011, 158, 1868-1876.	5.2	22
17	A <i>Spitzer</i> survey of Deep Drilling Fields to be targeted by the Vera C. Rubin Observatory Legacy Survey of Space and Time. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 501, 892-910.	4.4	19
18	Tracing the evolution of dust-obscured activity using sub-millimetre galaxy populations from STUDIES and AS2UDS. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 500, 942-961.	4.4	18

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19	First-principles thermochemistry for the combustion of TiCl ₄ in a methane flame. Proceedings of the Combustion Institute, 2011, 33, 493-500.	3.9	17
20	Progenitor and close-in circumstellar medium of type II supernova 2020fqv from high-cadence photometry and ultra-rapid UV spectroscopy. Monthly Notices of the Royal Astronomical Society, 2022, 512, 2777-2797.	4.4	17
21	An empirical, Bayesian approach to modelling crop yield: Maize in USA. Environmental Research Communications, 2020, 2, 025002.	2.3	16
22	Comparison of the star formation in X-ray-selected AGN in eFEDS with that of star-forming galaxies. Astronomy and Astrophysics, 2022, 663, A130.	5.1	14
23	Rest-frame UV properties of luminous strong gravitationally lensed Ly α emitters from the BELLS GALLERY Survey. Monthly Notices of the Royal Astronomical Society, 2020, 492, 1257-1278.	4.4	11
24	The Role of Environment in Galaxy Evolution in the SERVS Survey. I. Density Maps and Cluster Candidates. Astrophysical Journal, 2020, 889, 185.	4.5	8
25	A hyperluminous obscured quasar at a redshift of $z \approx 4.3$. Monthly Notices of the Royal Astronomical Society: Letters, 2021, 503, L11-L16.	3.3	8
26	First-Principles Thermochemistry for Gas Phase Species in an Industrial Rutile Chlorinator. Journal of Physical Chemistry A, 2010, 114, 11825-11832.	2.5	7
27	Preparing for LSST data. Astronomy and Astrophysics, 2021, 653, A107.	5.1	7
28	Consistent Analysis of the AGN LF in X-Ray and MIR in the XMM-LSS Field. Astrophysical Journal, 2022, 924, 133.	4.5	7
29	Post maximum light and late time optical imaging polarimetry of type I superluminous supernova 2020znr. Monthly Notices of the Royal Astronomical Society, 2022, 511, 5948-5963.	4.4	6
30	The star-formation rates of QSOs. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	4
31	Have we seen all the galaxies that comprise the cosmic infrared background at 250 μ m and 500 μ m?. Monthly Notices of the Royal Astronomical Society, 2019, , .	4.4	3
32	HELP project - a dreamed-of multiwavelength dataset for SED fitting: The influence of used models for the main physical properties of galaxies. Proceedings of the International Astronomical Union, 2019, 15, 39-43.	0.0	1