

# Clio Gielen

## List of Publications by Year in descending order

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Version: 2024-02-01

28  
papers

1,170  
citations

394421

19  
h-index

477307

29  
g-index

30  
all docs

30  
docs citations

30  
times ranked

1172  
citing authors

#	ARTICLE	IF	CITATIONS
1	Four years of ground-based MAX-DOAS observations of HONO and NO <sub>2</sub> in the Beijing area. Atmospheric Chemistry and Physics, 2014, 14, 765-781.	4.9	216
2	The SAGE-Spec Spitzer Legacy programme: the life-cycle of dust and gas in the Large Magellanic Cloud - Point source classification I. Monthly Notices of the Royal Astronomical Society, 2011, 411, 1597-1627.	4.4	93
3	The SAGE-Spec Spitzer Legacy Program: The Life Cycle of Dust and Gas in the Large Magellanic Cloud. Publications of the Astronomical Society of the Pacific, 2010, 122, 683-700.	3.1	78
4	Silicate features in Galactic and extragalactic post-AGB discs. Astronomy and Astrophysics, 2011, 533, A99.	5.1	68
5	Evaluation of tropospheric SO <sub>2</sub> retrieved from MAX-DOAS measurements in Xianghe, China. Atmospheric Chemistry and Physics, 2014, 14, 11149-11164.	4.9	64
6	SPITZER survey of dust grain processing in stable discs around binary post-AGB stars. Astronomy and Astrophysics, 2008, 490, 725-735.	5.1	62
7	Carbonaceous molecules in the oxygen-rich circumstellar environment of binary post-AGB stars. Astronomy and Astrophysics, 2011, 536, A54.	5.1	55
8	Intercomparison of NO <sub>2</sub> , O <sub>4</sub> , O <sub>3</sub> and HCHO slant column measurements by MAX-DOAS and zenith-sky UV-visible spectrometers during CINDI-2. Atmospheric Measurement Techniques, 2020, 13, 2169-2208.	3.1	52
9	A simple and versatile cloud-screening method for MAX-DOAS retrievals. Atmospheric Measurement Techniques, 2014, 7, 3509-3527.	3.1	50
10	On the metallicity dependence of crystalline silicates in oxygen-rich asymptotic giant branch stars and red supergiants. Monthly Notices of the Royal Astronomical Society, 2012, 427, 3209-3229.	4.4	43
11	IRAS 19135+3937: an SRd variable as interacting binary surrounded by a circumbinary disc. Monthly Notices of the Royal Astronomical Society, 2015, 451, 2462-2478.	4.4	39
12	Photometric multi-site campaign on the open cluster NGC 884. Astronomy and Astrophysics, 2010, 515, A16.	5.1	34
13	SHOCKS AND A GIANT PLANET IN THE DISK ORBITING BP PISCUM?. Astrophysical Journal, 2010, 724, 470-479.	4.5	34
14	Dust-grain processing in circumbinary discs around evolved binaries. The RV Tauri spectral twins RU Centauri and AC Herculis. Astronomy and Astrophysics, 2007, 475, 629-637.	5.1	32
15	Time-resolved spectroscopy of BD+46°442: Gas streams and jet creation in a newly discovered evolved binary with a disk. Astronomy and Astrophysics, 2012, 542, A27.	5.1	32
16	Intercomparison of MAX-DOAS vertical profile retrieval algorithms: studies on field data from the CINDI-2 campaign. Atmospheric Measurement Techniques, 2021, 14, 1-35.	3.1	32
17	Chemical depletion in the Large Magellanic Cloud: RV Tauri stars and the photospheric feedback from their dusty discs. Astronomy and Astrophysics, 2009, 508, 1391-1402.	5.1	28
18	An interferometric study of the post-AGB binary 89 Herculis. Astronomy and Astrophysics, 2014, 568, A12.	5.1	27

#	ARTICLE	IF	CITATIONS
19	Reduction of the maximum mass-loss rate of OH/IR stars due to unnoticed binary interaction. <i>Nature Astronomy</i> , 2019, 3, 408-415.	10.1	24
20	Is a scaling factor required to obtain closure between measured and modelled atmospheric $O_4$ absorptions? An assessment of uncertainties of measurements and radiative transfer simulations for 2 selected days during the MAD-CAT campaign. <i>Atmospheric Measurement Techniques</i> , 2019, 12, 2745-2817.	3.1	22
21	Amorphous carbon in the disk around the post-AGB binary HR 4049. <i>Astronomy and Astrophysics</i> , 2013, 551, A76.	5.1	17
22	Analysis of the infrared spectra of the peculiar post-AGB stars EP Lyrae and HD 52961. <i>Astronomy and Astrophysics</i> , 2009, 503, 843-854.	5.1	15
23	Ensemble asteroseismology of pulsating B-type stars in NGC 6910. <i>Astronomy and Astrophysics</i> , 2019, 632, A95.	5.1	13
24	Comparison of tropospheric $NO_2$ columns from MAX-DOAS retrievals and regional air quality model simulations. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 2795-2823.	4.9	12
25	IRAS 11472-0800: an extremely depleted pulsating binary post-AGB star. <i>Astronomy and Astrophysics</i> , 2012, 542, A53.	5.1	11
26	Towards ensemble asteroseismology of the young open clusters $\pi$ Persei and NGC 6910. <i>Astronomische Nachrichten</i> , 2010, 331, 1080-1083.	1.2	3
27	Photometric multi-site campaign on massive B stars in the open cluster $\pi$ Persei (NGC 884). <i>Journal of Physics: Conference Series</i> , 2008, 118, 012071.	0.4	2
28	SPITZER-IRS spectral fitting of discs around binary post-AGB stars ( <i>Corrigendum</i> ). <i>Astronomy and Astrophysics</i> , 2010, 515, C2.	5.1	2