

Zouhair Benkhaldoun

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/615401/publications.pdf>

Version: 2024-02-01

140
papers

3,400
citations

201674

27
h-index

155660

55
g-index

141
all docs

141
docs citations

141
times ranked

3727
citing authors

#	ARTICLE	IF	CITATIONS
1	TOI-2257 b: A highly eccentric long-period sub-Neptune transiting a nearby M dwarf. <i>Astronomy and Astrophysics</i> , 2022, 657, A45.	5.1	15
2	Validation of 13 Hot and Potentially Terrestrial TESS Planets. <i>Astronomical Journal</i> , 2022, 163, 99.	4.7	8
3	Constraints on the structure and seasonal variations of Triton's atmosphere from the 5 October 2017 stellar occultation and previous observations. <i>Astronomy and Astrophysics</i> , 2022, 659, A136.	5.1	8
4	HATS-74Ab, HATS-75b, HATS-76b, and HATS-77b: Four Transiting Giant Planets Around K and M Dwarfs*. <i>Astronomical Journal</i> , 2022, 163, 125.	4.7	24
5	NEID Rossiter-McLaughlin Measurement of TOI-1268b: A Young Warm Saturn Aligned with Its Cool Host Star. <i>Astrophysical Journal Letters</i> , 2022, 926, L7.	8.3	11
6	A Possible Alignment Between the Orbits of Planetary Systems and their Visual Binary Companions. <i>Astronomical Journal</i> , 2022, 163, 207.	4.7	15
7	Aerosol Distributions and Sahara Dust Transport in Southern Morocco, from Ground-Based and Satellite Observations. <i>Remote Sensing</i> , 2022, 14, 2454.	4.0	4
8	TESS discovery of a sub-Neptune orbiting a mid-M dwarf TOI-2136. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 514, 4120-4139.	4.4	13
9	Aerosol Distributions and Transport over Southern Morocco from Ground-Based and Satellite Observations (2004-2020). <i>Atmosphere</i> , 2022, 13, 923.	2.3	5
10	Validation of ICON-MIGHTI Thermospheric Wind Observations: 1. Nighttime Red-Line Ground-Based Fabry-Perot Interferometers. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA028726.	2.4	43
11	Comparison of ionospheric anomalies over African equatorial/low-latitude region with IRI-2016 model predictions during the maximum phase of solar cycle 24. <i>Advances in Space Research</i> , 2021, 68, 1473-1484.	2.6	10
12	Discovery of a young low-mass brown dwarf transiting a fast-rotating F-type star by the Galactic Plane exoplanet (GPX) survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 505, 4956-4967.	4.4	5
13	(208) Lacrimosa: A case that missed the Slivan state?. <i>Astronomy and Astrophysics</i> , 2021, 649, A45.	5.1	1
14	(6478) Gault: physical characterization of an active main-belt asteroid. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 505, 245-258.	4.4	10
15	Potential and sky coverage for off-axis fringe tracking in optical long baseline interferometry. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 506, 1364-1388.	4.4	3
16	Warm Jupiters in TESS Full-frame Images: A Catalog and Observed Eccentricity Distribution for Year 1. <i>Astrophysical Journal, Supplement Series</i> , 2021, 255, 6.	7.7	18
17	TOI-1259Ab - a gas giant planet with 2.7% deep transits and a bound white dwarf companion. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 507, 4132-4148.	4.4	9
18	Properties of slowly rotating asteroids from the Convex Inversion Thermophysical Model. <i>Astronomy and Astrophysics</i> , 2021, 654, A87.	5.1	7

#	ARTICLE	IF	CITATIONS
19	VLT/SPHERE imaging survey of the largest main-belt asteroids: Final results and synthesis. <i>Astronomy and Astrophysics</i> , 2021, 654, A56.	5.1	50
20	The Magellan-TESS Survey. I. Survey Description and Midsurvey Results* $\hat{\epsilon}$. <i>Astrophysical Journal, Supplement Series</i> , 2021, 256, 33.	7.7	19
21	TESS Hunt for Young and Maturing Exoplanets (THYME). IV. Three Small Planets Orbiting a 120 Myr Old Star in the Pisces $\hat{\epsilon}$ "Eridanus Stream*. <i>Astronomical Journal</i> , 2021, 161, 65.	4.7	34
22	Refining the Transit-timing and Photometric Analysis of TRAPPIST-1: Masses, Radii, Densities, Dynamics, and Ephemerides. <i>Planetary Science Journal</i> , 2021, 2, 1.	3.6	161
23	TESS Discovery of a Super-Earth and Three Sub-Neptunes Hosted by the Bright, Sun-like Star HD 108236. <i>Astronomical Journal</i> , 2021, 161, 85.	4.7	13
24	Ionosphere-thermosphere coupling during the 22 $\hat{\epsilon}$ 23 June 2015 geomagnetic storm: Swarm and FPI coordinated observations above the Oukaimeden observatory. , 2021, , .		0
25	A basin-free spherical shape as an outcome of a giant impact on asteroid Hygiea. <i>Nature Astronomy</i> , 2020, 4, 136-141.	10.1	38
26	A super-Earth and a sub-Neptune orbiting the bright, quiet M3 dwarf TOI-1266. <i>Astronomy and Astrophysics</i> , 2020, 642, A49.	5.1	49
27	Thermospheric Neutral Winds Above the Oukaimeden Observatory: Effects of Geomagnetic Activity. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027383.	2.4	7
28	Quiet Time Ionospheric Irregularities Over the African Equatorial Ionization Anomaly Region. <i>Radio Science</i> , 2020, 55, e2020RS007077.	1.6	9
29	Photometry and high-resolution spectroscopy of comet 21P/Giacobini-Zinner during its 2018 apparition. <i>Astronomy and Astrophysics</i> , 2020, 640, A54.	5.1	4
30	The CARMENES search for exoplanets around M dwarfs. <i>Astronomy and Astrophysics</i> , 2020, 642, A173.	5.1	47
31	A Global Fireball Observatory. <i>Planetary and Space Science</i> , 2020, 191, 105036.	1.7	31
32	Properties of sub-Neptune atmospheres: TOI-270 system. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 495, 962-970.	4.4	12
33	Physical parameters of selected <i>Gaia</i> mass asteroids. <i>Astronomy and Astrophysics</i> , 2020, 638, A11.	5.1	5
34	The Continuing Search for Evidence of Tidal Orbital Decay of Hot Jupiters. <i>Astronomical Journal</i> , 2020, 159, 150.	4.7	56
35	Discovery of a pre-cataclysmic binary with unusual chromaticity of the eclipsed white dwarf by the GPX survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 493, 5208-5217.	4.4	8
36	The CARMENES search for exoplanets around M dwarfs. <i>Astronomy and Astrophysics</i> , 2020, 644, A127.	5.1	27

#	ARTICLE	IF	CITATIONS
37	Binary asteroid (31) Euphrosyne: ice-rich and nearly spherical. <i>Astronomy and Astrophysics</i> , 2020, 641, A80.	5.1	16
38	FRIPON: a worldwide network to track incoming meteoroids. <i>Astronomy and Astrophysics</i> , 2020, 644, A53.	5.1	58
39	Two Transiting Hot Jupiters from the WASP Survey: WASP-150b and WASP-176b. <i>Astronomical Journal</i> , 2020, 159, 255.	4.7	4
40	Using the OWL@OUKA telescope to follow-up the TESS planet candidates: first results. , 2020, , .		1
41	Detection and calculation of meteor trajectories by MOFID All Sky cameras network. , 2020, , .		0
42	Interferential seeing monitor, a seeing monitor for atmospheric turbulence studies: calibration with the differential image motion monitor. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 500, 1884-1888.	4.4	0
43	Meteor Detection from the Fireball Moroccan Network: First Orbital Results and Links to Parent Bodies. <i>Astronomy Reports</i> , 2019, 63, 619-632.	0.9	0
44	WASP-169, WASP-171, WASP-175, and WASP-182: three hot Jupiters and one bloated sub-Saturn mass planet discovered by WASP-South. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 489, 2478-2487.	4.4	9
45	WASP-180Ab: Doppler tomography of a hot Jupiter orbiting the primary star in a visual binary. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 490, 2467-2474.	4.4	11
46	Two New HATNet Hot Jupiters around A Stars and the First Glimpse at the Occurrence Rate of Hot Jupiters from TESS. <i>Astronomical Journal</i> , 2019, 158, 141.	4.7	83
47	WASP-South hot Jupiters: WASP-178b, WASP-184b, WASP-185b, and WASP-192b. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 490, 1479-1487.	4.4	14
48	A robust method to identify meteor showers new parent bodies from the SonotaCo and EDMOND meteoroid orbit databases. <i>Astronomy and Astrophysics</i> , 2019, 622, A84.	5.1	10
49	Homogeneous internal structure of CM-like asteroid (41) Daphne. <i>Astronomy and Astrophysics</i> , 2019, 623, A132.	5.1	25
50	Dust properties of double-tailed active asteroid (6478) Gault. <i>Astronomy and Astrophysics</i> , 2019, 624, L14.	5.1	18
51	High resolution optical spectroscopy of the N ₂ -rich comet C/2016 R2 (PanSTARRS). <i>Astronomy and Astrophysics</i> , 2019, 624, A64.	5.1	33
52	Three hot-Jupiters on the upper edge of the mass-radius distribution: WASP-177, WASP-181, and WASP-183. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 485, 5790-5799.	4.4	14
53	Qatar Exoplanet Survey: Qatar-8b, 9b, and 10b – A Hot Saturn and Two Hot Jupiters. <i>Astronomical Journal</i> , 2019, 157, 224.	4.7	5
54	2I/Borisov: A C ₂ -depleted interstellar comet. <i>Astronomy and Astrophysics</i> , 2019, 631, L8.	5.1	56

#	ARTICLE	IF	CITATIONS
55	Discovery of Three New Transiting Hot Jupiters: WASP-161 b, WASP-163 b, and WASP-170 b. <i>Astronomical Journal</i> , 2019, 157, 43.	4.7	32
56	Lower atmosphere and pressure evolution on Pluto from ground-based stellar occultations, 1988â€“2016. <i>Astronomy and Astrophysics</i> , 2019, 625, A42.	5.1	29
57	The First Post-Kepler Brightness Dips of KIC 8462852. <i>Astrophysical Journal Letters</i> , 2018, 853, L8.	8.3	38
58	Stellar Parameters for Trappist-1. <i>Astrophysical Journal</i> , 2018, 853, 30.	4.5	71
59	Peering into space with the Morocco Oukaïmeden Observatory. <i>Nature Astronomy</i> , 2018, 2, 352-354.	10.1	7
60	Metallic Line Doubling in the Spectra of the Variable Star R Scuti. <i>Proceedings of the International Astronomical Union</i> , 2018, 14, 368-370.	0.0	1
61	Modeling the Transmission Spectra of WASP-31b. <i>Proceedings of the International Astronomical Union</i> , 2018, 14, 383-385.	0.0	0
62	The Arab Astronomical Society (ArAS): Developing Astrophysics Research in the Arab World. <i>Proceedings of the International Astronomical Union</i> , 2018, 13, 256-259.	0.0	0
63	Monitoring of the activity and composition of comets 41P/Tuttleâ€“Giacobiniâ€“Kresak and 45P/Hondaâ€“Mrkosâ€“Pajdusakova. <i>Astronomy and Astrophysics</i> , 2018, 619, A156.	5.1	24
64	Dust modelling and a dynamical study of comet 41P/Tuttleâ€“Giacobiniâ€“Kresak during its 2017 perihelion passage. <i>Astronomy and Astrophysics</i> , 2018, 615, A154.	5.1	8
65	The impact crater at the origin of the Julia family detected with VLT/SPHERE?. <i>Astronomy and Astrophysics</i> , 2018, 618, A154.	5.1	29
66	Ionospheric and thermospheric response to the 27â€“28 February 2014 geomagnetic storm over north Africa. <i>Annales Geophysicae</i> , 2018, 36, 987-998.	1.6	13
67	FM14 Session 3: The IAU National Outreach Coordinators (NOCs) Network â€“ Coordinating and Catalyzing Astronomy Outreach Worldwide. <i>Proceedings of the International Astronomical Union</i> , 2018, 14, 542-543.	0.0	0
68	Development in astronomy and space science in Africa. <i>Nature Astronomy</i> , 2018, 2, 507-510.	10.1	11
69	Reactive collision of electrons with CO ⁺ in cometary coma. <i>Astronomy and Astrophysics</i> , 2018, 615, A53.	5.1	7
70	SPECULOOS: a network of robotic telescopes to hunt for terrestrial planets around the nearest ultracool dwarfs. , 2018, , .		38
71	Seven temperate terrestrial planets around the nearby ultracool dwarf star TRAPPIST-1. <i>Nature</i> , 2017, 542, 456-460.	27.8	1,144
72	Tribological Behavior of PVD Hard Coated Cutting Tools under Cryogenic Cooling Conditions. <i>Procedia CIRP</i> , 2017, 58, 561-565.	1.9	5

#	ARTICLE	IF	CITATIONS
73	Study of the Plutino Object (208996) 2003 AZ ₈₄ from Stellar Occultations: Size, Shape, and Topographic Features. <i>Astronomical Journal</i> , 2017, 154, 22.	4.7	31
74	A seven-planet resonant chain in TRAPPIST-1. <i>Nature Astronomy</i> , 2017, 1, .	10.1	263
75	Assessment of the potential of the new Belgo-Moroccan telescope TRAPPIST-North for high-precision exoplanet transit photometry. <i>Journal of Physics: Conference Series</i> , 2017, 869, 012073.	0.4	3
76	Monitoring of comets activity and composition with the TRAPPIST-North telescope. <i>Journal of Physics: Conference Series</i> , 2017, 869, 012079.	0.4	0
77	Metallic line doubling in the spectra of the variable RR Lyrae star. <i>Journal of Physics: Conference Series</i> , 2017, 869, 012088.	0.4	0
78	Variability of the Vertical Total Electron Content, from GPS data, during 2 to 8 November 2015, Using Oukaimeden and Rabat Stations in Morocco. <i>Proceedings of the International Astronomical Union</i> , 2017, 13, 159-161.	0.0	0
79	Climatology of thermospheric neutral winds over Oukaïmeden Observatory in Morocco. <i>Annales Geophysicae</i> , 2017, 35, 161-170.	1.6	21
80	The Space Weather through a Multidisciplinary Scientific Approach. <i>Proceedings of the International Astronomical Union</i> , 2017, 13, 280-283.	0.0	0
81	Thermospheric Dynamics in Quiet and Disturbed Conditions. <i>Proceedings of the International Astronomical Union</i> , 2017, 13, 151-158.	0.0	0
82	The State of Planetary and Space Sciences in Africa. <i>Eos</i> , 2017, , .	0.1	4
83	Africa Initiative for Planetary and Space Sciences. <i>Eos</i> , 2017, , .	0.1	6
84	A helium P-Cygni profile in RR Lyrae stars?. <i>Astronomy and Astrophysics</i> , 2016, 587, A134.	5.1	7
85	Hierarchical fringe tracker to co-phase and coherence very large optical interferometers. <i>Proceedings of SPIE</i> , 2016, , .	0.8	1
86	First statistics of the isopistonc angle for long baseline interferometry. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 458, 4044-4051.	4.4	2
87	From Asteroids to Space Debris. <i>Proceedings of the International Astronomical Union</i> , 2015, 10, 324-326.	0.0	1
88	Climatologies of nighttime thermospheric winds and temperatures from Fabry-Perot interferometer measurements: From solar minimum to solar maximum. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 6679-6693.	2.4	47
89	First Lunar Flashes Observed from Morocco (ILIAD Network): Implications for Lunar Seismology. <i>Earth, Moon and Planets</i> , 2015, 115, 1-21.	0.6	13
90	E-ELT seeing and isoplanatic angle: comparison of Aklim site and El Roque de Los Muchachos Observatory. <i>Proceedings of SPIE</i> , 2014, , .	0.8	0

#	ARTICLE	IF	CITATIONS
91	Hierarchical fringe tracking. , 2014, , .		0
92	Astroclimate at Jbel Aklim site in Moroccan anti-atlas: 2008-2010 seeing and isoplanatic angle statistics from the E-ELT site testing data. , 2014, , .		0
93	The OTP-model applied to the Aklim site database. Proceedings of SPIE, 2014, , .	0.8	0
94	European Extremely Large Telescope Site Characterization III: Ground Meteorology. Publications of the Astronomical Society of the Pacific, 2014, 126, 412-431.	3.1	12
95	European Extremely Large Telescope: Isopistonc Angle Measurements at Aklim Site. International Journal of Computer Applications, 2014, 99, 1-4.	0.2	0
96	Numerical simulations of a new approach for seeing measurement. Monthly Notices of the Royal Astronomical Society, 2013, 434, 742-747.	4.4	2
97	A project of a two meter telescope in North Africa. Proceedings of the International Astronomical Union, 2012, 10, 558-558.	0.0	0
98	European Extremely Large Telescope Site Characterization. II. High Angular Resolution Parameters. Publications of the Astronomical Society of the Pacific, 2012, 124, 868-884.	3.1	22
99	Meteorological profiles and optical turbulence in the free atmosphere with NCEP/NCAR data at Oukaïmeden - I. Meteorological parameters analysis and tropospheric wind regimes. Monthly Notices of the Royal Astronomical Society, 2012, 420, 637-650.	4.4	32
100	Power and duration of impact flashes on the Moon: Implication for the cause of radiation. Icarus, 2012, 218, 115-124.	2.5	36
101	European Extremely Large Telescope Site Characterization I: Overview. Publications of the Astronomical Society of the Pacific, 2011, 123, 1334-1346.	3.1	52
102	Meteorological parameters analysis above Oukaimeden Observatory using NCEP/NCAR data. , 2010, , .		0
103	Oukaimeden Observatory: detection of exoplanet HD 189733b by the transit method. Proceedings of SPIE, 2010, , .	0.8	0
104	Study of AERONET data of nearby stations in the Canary Islands: application to infer astronomical extinction coefficient at elevated altitudes. , 2010, , .		0
105	First characterization of Jbel Aklim in Moroccan Anti-Atlas as a potential site for the E-ELT. Astronomy and Astrophysics, 2010, 522, A69.	5.1	4
106	E-ELT: Isopistonc and isoplanatic angles at Aklim candidate site. , 2010, , .		0
107	Cross-calibration of DIMM monitors at Oukaimden observatory and Marrakesh site. Experimental Astronomy, 2010, 28, 87-99.	3.7	1
108	Circular aperture interferometric apodization using homothety - I. Simulation results. Monthly Notices of the Royal Astronomical Society, 2010, 406, 2743-2748.	4.4	2

#	ARTICLE	IF	CITATIONS
109	Homothetic apodization of circular aperture HACA: simulation results. Proceedings of SPIE, 2010, , .	0.8	2
110	First characterization of Jbel Aklim in Moroccan Anti-Atlas as a potential site for the E-ELT. , 2010, , .		1
111	High-altitude wind velocity at Oukaimeden observatory. Monthly Notices of the Royal Astronomical Society, 2009, 398, 862-872.	4.4	14
112	Aerosol columnar characterization in Morocco: ELT prospect. New Astronomy, 2008, 13, 41-52.	1.8	2
113	Neural networks based control of chaotic Phase-Locked Loop. , 2008, , .		0
114	Influence of instrumental noise and defocus on the DIMM. , 2008, , .		0
115	Interferential seeing monitor. , 2008, , .		0
116	Meteorological study of Aklim site in Morocco. Proceedings of SPIE, 2008, , .	0.8	0
117	Isopistonc angle for multi-aperture interferometers fromÂisoplanatic angle. Astronomy and Astrophysics, 2008, 477, 337-344.	5.1	12
118	Interferential seeing monitor. Astronomy and Astrophysics, 2008, 482, 365-370.	5.1	5
119	Aerosol characterization of Morocco with AERONET and intercomparison with satellite data: TOMS, MODIS and MISR. Proceedings of SPIE, 2007, , .	0.8	0
120	ELT site prospect in Morocco: aerosol characterization. , 2006, , .		0
121	Effect of altitude on aerosol optical properties. Proceedings of the International Astronomical Union, 2006, 2, 111-114.	0.0	0
122	Astronomical extinction over the ELT Moroccan sites from aerosol satellite data. Proceedings of the International Astronomical Union, 2006, 2, 107-110.	0.0	0
123	Single star scidar: atmospheric parameters profiling using the simulated annealing algorithm. Monthly Notices of the Royal Astronomical Society, 2006, 368, 1456-1462.	4.4	29
124	Deep sky observations with Dome C optical interferometers. , 2006, , .		0
125	Limiting magnitude for Dome C optical interferometers. Proceedings of the International Astronomical Union, 2005, 1, 313-316.	0.0	1
126	Optical seeing monitoring at the OukaÃmeden in the Moroccan high atlas mountains: first statistics. Astronomy and Astrophysics, 2005, 441, 839-843.	5.1	20

#	ARTICLE	IF	CITATIONS
127	Optical turbulence outer scale and coherence outer scale at different astronomical sites. , 2004, , .		0
128	Study of the clear time behavior on Oukaïmeden observatory using the IRIS database. New Astronomy, 2004, 9, 291-295.	1.8	3
129	OWL site survey: first seeing measurement with ADIMM. , 2004, 5489, 113.		1
130	Correlation between TOMS aerosol index and astronomical extinction. , 2004, , .		8
131	Optical turbulence modeling in the boundary layer and free atmosphere using instrumented meteorological balloons. Astronomy and Astrophysics, 2004, 416, 1193-1200.	5.1	37
132	Seeing, outer scale of optical turbulence, and coherence outer scale at different astronomical sites using instruments on meteorological balloons. Astronomy and Astrophysics, 2004, 422, 1123-1127.	5.1	25
133	Title is missing!. Experimental Astronomy, 2002, 13, 159-170.	3.7	4
134	The first optical characterization of the Oukaïmeden site with the Generalized Seeing Monitor (GSM). Astronomy and Astrophysics, 2001, 365, 324-329.	5.1	6
135	A meteorological and photometric study of the Oukaïmeden site. Astronomy and Astrophysics, 2000, 147, 271-284.	2.1	17
136	Attempt to assess astronomical ?seeing? using a model. Astrophysics and Space Science, 1996, 239, 237-245.	1.4	1
137	Network of Oriental Robotic Telescopes. Highlights of Astronomy, 1995, 10, 677-679.	0.0	2
138	The global oscillation network group site survey. Solar Physics, 1994, 152, 351-379.	2.5	35
139	A simple flux integration photometer for day time site testing at Oukaïmeden. Experimental Astronomy, 1992, 2, 345-356.	3.7	6
140	Moroccan participation in the study of solar oscillations. Solar Physics, 1991, 133, 61-64.	2.5	6