Hiroshi Matsuo

List of Publications by Year
in descending order

49 papers	2,277 citations	361413 20 h-index	223800 46 g-index
49 all docs	49 docs citations	49 times ranked	2127 citing authors

#	Article	IF	Citations
1	The onset of star formation 250 million years after the Big Bang. Nature, 2018, 557, 392-395.	27.8	261
2	Structure of the DNA deaminase domain of the HIV-1 restriction factor APOBEC3G. Nature, 2008, 452, 116-119.	27.8	202
3	Detection of an oxygen emission line from a high-redshift galaxy in the reionization epoch. Science, 2016, 352, 1559-1562.	12.6	173
4	Big Three Dragons: A z = 7.15 Lyman-break galaxy detected in [Oâ€‰<scp>iii</scp>] 88 Î¼m, [Câ€‰<scp>ii</scp>] 158 Î¼m, and dust continuum with ALMA. Publication of the Astronomical Society of Japan, 2019, 71, .	2.5	162
5	Detection of the Far-infrared [O iii] and Dust Emission in a Galaxy at Redshift 8.312: Early Metal Enrichment in the Heart of the Reionization Era. Astrophysical Journal, 2019, 874, 27.	4.5	144
6	Crystal structure of APOBEC3A bound to single-stranded DNA reveals structural basis for cytidine deamination and specificity. Nature Communications, 2017, 8, 15024.	12.8	130
7	Crystal Structure of the APOBEC3G Catalytic Domain Reveals Potential Oligomerization Interfaces. Structure, 2010, 18, 28-38.	3.3	116
8	Large Population of ALMA Galaxies at zÂ>Â6 with Very High [O iii]Â88 Î¼m to [C ii]Â158 Î¼m Flux Ratios: Evidence of Extremely High Ionization Parameter or PDR Deficit?. Astrophysical Journal, 2020, 896, 93.	4.5	109
9	An Extended Structure of the APOBEC3G Catalytic Domain Suggests a Unique Holoenzyme Model. Journal of Molecular Biology, 2009, 389, 819-832.	4.2	101
10	Crystal Structure of the DNA Cytosine Deaminase APOBEC3F: The Catalytically Active and HIV-1 Vif-Binding Domain. Structure, 2013, 21, 1042-1050.	3.3	85
11	Structure of the Vif-binding domain of the antiviral enzyme APOBEC3G. Nature Structural and Molecular Biology, 2015, 22, 485-491.	8.2	84
12	Terahertz and far-infrared windows opened at Dome A in Antarctica. Nature Astronomy, 2017, 1, .	10.1	78
13	A Search for H-Dropout Lyman Break Galaxies at z âˆ¼ 12â€“16. Astrophysical Journal, 2022, 929, 1.	4.5	68
14	Crystal structure of the catalytic domain of HIV-1 restriction factor APOBEC3G in complex with ssDNA. Nature Communications, 2018, 9, 2460.	12.8	58
15	Impact of H216 on the DNA Binding and Catalytic Activities of the HIV Restriction Factor APOBEC3G. Journal of Virology, 2013, 87, 7008-7014.	3.4	49
16	Extensive mutagenesis experiments corroborate a structural model for the DNA deaminase domain of APOBEC3G. FEBS Letters, 2007, 581, 4761-4766.	2.8	48
17	Substrate sequence selectivity of APOBEC3A implicates intra-DNA interactions. Scientific Reports, 2018, 8, 7511.	3.3	47
18	The distribution and physical properties of high-redshift [Oâ€‰<scp>iii</scp>] emitters in a cosmological hydrodynamics simulation. Monthly Notices of the Royal Astronomical Society: Letters, 2018, 481, L84-L88.	3.3	35

#	Article	IF	Citations
19	A Sensitive HN(CA)CO Experiment for Deuterated Proteins. Journal of Magnetic Resonance Series B, 1996, 110, 112-115.	1.6	32
20	The Sunyaevâ€“Zel'dovich effect at 5â€³: RX J1347.5â^'1145 imaged by ALMA. Publication of the Astronomical Society of Japan, 2016, 68, .	2.5	32
21	An Extended Conformation for K48 Ubiquitin Chains Revealed by the hRpn2:Rpn13:K48-Diubiquitin Structure. Structure, 2020, 28, 495-506.e3.	3.3	21
22	A Cool Core Disturbed: Observational Evidence for the Coexistence of Subsonic Sloshing Gas and Stripped Shock-heated Gas around the Core of RX J1347.5â€“1145. Astrophysical Journal, 2018, 866, 48.	4.5	20
23	Structure-guided bifunctional molecules hit a DEUBAD-lacking hRpn13 species upregulated in multiple myeloma. Nature Communications, 2021, 12, 7318.	12.8	18
24	Big Three Dragons: A [N ii] 122 Î¼m Constraint and New Dust-continuum Detection of a z = 7.15 Bright Lyman-break Galaxy with ALMA. Astrophysical Journal, 2021, 923, 5.	4.5	18
25	A Comparison of Two Single-Stranded DNA Binding Models by Mutational Analysis of APOBEC3G. Biology, 2012, 1, 260-276.	2.8	16
26	Structural Analysis of the Active Site and DNA Binding of Human Cytidine Deaminase APOBEC3B. Journal of Chemical Theory and Computation, 2019, 15, 637-647.	5.3	16
27	Development of a multi-Fourier-transform interferometer: imaging experiments in millimeter and submillimeter wave bands. Applied Optics, 2007, 46, 2881.	2.1	15
28	Blind Millimeter Line Emitter Search using ALMA Data Toward Gravitational Lensing Clusters. Astrophysical Journal, 2017, 845, 108.	4.5	14
29	Structural basis of substrate specificity in human cytidine deaminase family APOBEC3s. Journal of Biological Chemistry, 2021, 297, 100909.	3.4	14
30	Crystal Structure of a Soluble APOBEC3G Variant Suggests ssDNA to Bind in a Channel that Extends between the Two Domains. Journal of Molecular Biology, 2020, 432, 6042-6060.	4.2	12
31	Interactions of APOBEC3s with DNA and RNA. Current Opinion in Structural Biology, 2021, 67, 195-204.	5.7	12
32	Broadband Pillar-Type Antireflective Subwavelength Structures for Silicon and Alumina. IEEE Transactions on Terahertz Science and Technology, 2017, 7, 295-301.	3.1	11
33	Requirements on Photon Counting Detectors for Terahertz Interferometry. Journal of Low Temperature Physics, 2012, 167, 840-845.	1.4	10
34	THE 1.1 mm CONTINUUM SURVEY OF THE SMALL MAGELLANIC CLOUD: PHYSICAL PROPERTIES AND EVOLUTION OF THE DUST-SELECTED CLOUDS*. Astrophysical Journal, 2017, 835, 55.	4.5	9
35	The cryogenic multiplexer and shift register for submillimeter-wave digital camera. Cryogenics, 2009, 49, 672-675.	1.7	8
36	Terahertz detector based on a superconducting tunnel junction coupled to a thin superconductor film. Applied Physics Letters, 2009, 95, 193504.	3.3	7

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37	Advantages of Photon Counting Detectors for Terahertz Astronomy. Journal of Low Temperature Physics, 2016, 184, 718-723.	1.4	7
38	Mechanism for APOBEC3G catalytic exclusion of RNA and non-substrate DNA. Nucleic Acids Research, 2019, 47, 7676-7689.	14.5	7
39	Possible Systematic Rotation in the Mature Stellar Population of a $z = 9.1$ Galaxy. Astrophysical Journal Letters, 2022, 933, L19.	8.3	7
40	Electrochemical direct detection of DNA deamination catalyzed by APOBEC3G. Chemical Communications, 2012, 48, 12115.	4.1	6
41	SIS Detectors for Terahertz Photon Counting System. Journal of Low Temperature Physics, 2016, 184, 244-249.	1.4	4
42	Evaluation of Submillimeter/Terahertz Camera Performance With the Cryogenic Multi-Channel Read Out System. IEEE Transactions on Terahertz Science and Technology, 2013, 3, 422-427.	3.1	3
43	DETECTION OF AN ULTRA-BRIGHT SUBMILLIMETER GALAXY BEHIND THE SMALL MAGELLANIC CLOUD. Astrophysical Journal Letters, 2013, 774, L30.	8.3	3
44	Studies on Terahertz Photon Counting Detectors with Low-Leakage SIS Junctions. Journal of Low Temperature Physics, 2019, 194, 426-432.	1.4	3
45	The Dust-selected Molecular Clouds in the Northeast Region of the Small Magellanic Cloud*. Astrophysical Journal, 2018, 867, 117.	4.5	1
46	HIV-1 VIF and human APOBEC3G interaction directly observed through molecular specific labeling using a new dual promotor vector. Journal of Magnetic Resonance, 2022, 339, 107230.	2.1	1
47	Free Energy Profile of APOBEC3G Protein Calculated by a Molecular Dynamics Simulation. Biology, 2012, 1, 245-259.	2.8	0
48	Optical Performance of SIS Photon Detectors at Terahertz Frequencies. Journal of Low Temperature Physics, 2020, 200, 226-232.	1.4	0
49	Structure of the DNA Deaminase Domain of the HIV-1 Restriction Factor APOBEC3G. Seibutsu Butsuri, 2008, 48, 333-334.	0.1	0