

## 6.2 被引用数上位の論文リスト (1980 年以後)

1st author が京都大学大学院理学研究科附属天文台または宇宙物理学教室に所属しており、かつ引用数が 30 以上の論文を収録。

順位	著者／タイトル	年	雑誌名	引用数
1	Chen, P.F. and Shibata, K. An Emerging Flux Trigger Mechanism for Coronal Mass Ejections	2000	ApJ, 545, 524.	108
2	Ichimoto, K., and Kurokawa, H. H-alpha red asymmetry of solar flares	1984	Solar Phys., 93, 105.	96
3	Ichimoto, K., Kubota, J., Suzuki, M., Tohmura, I., and Kurokawa, H. Periodic behaviour of solar flare activity	1985	Nature, 316, 422.	84
4	Shibata, K. and Tanuma, S. Plasmoid-induced-reconnection and fractal reconnection	2001	Earth, Planets, and Space, 53, 473.	53
5	Kurokawa, H. Two distinct morphological types of magnetic shear development and their relation to flares	1987	Solar Phys., 113, 259.	51
6	Chen, P.F., Wu, S.T., Shibata, K., and Fang, C. Evidence of EIT and Moreton Waves in Numerical Simulations	2002	ApJL, 572, 99.	50
7	Suematsu, Y., Shibata, K., Nishikara, T., and Kitai, R. Numerical hydrodynamics of the jet phenomena in the solar atmosphere, I. Spicules	1982	Solar Phys., 75, 99.	46
8	Wang, T.J., Yan, Y., Wang, J., Kurokawa, H., and Shibata, K. The Large-Scale Coronal Field Structure and Source Region Features for a Halo Coronal Mass Ejection	2002	ApJ, 572, 580.	45
9	Mizuno, Y., Yamada, S., Koide, S., and Shibata, K. General Relativistic Magnetohydrodynamic Simulations of Collapsars	2004	ApJ, 606, 395.	43
10	Kawaguchi, I. Morphological study of the solar granulation - The fragmentation of granules	1980	Solar Phys., 65, 207.	41
10	Asai, A., Yokoyama, T., Shimojo, M., and Shibata, K. Downflow Motions Associated with Impulsive Nonthermal Emissions Observed in the 2002 July 23 Solar Flare	2004	ApJL, 605, 77.	41
12	Ishii, T.T., Kurokawa, H., and Takeuchi, T.T. Emergence of a Twisted Magnetic Flux Bundle as a Source of Strong Flare Activity	1998	ApJ, 499, 898.	39
12	Isobe, H., Miyagoshi, T., Shibata, K., and Yokoyama, T. Filamentary structure on the Sun from the magnetic Rayleigh-Taylor instability	2005	Nature, 434, 478.	39
14	Narukage, N., Hudson, H.S., Morimoto, T., Akiyama, S., Kitai, R., Kurokawa, H., and Shibata, K. Simultaneous Observation of a Moreton Wave on 1997 November 3 in H-alpha and Soft X-Rays	2002	ApJL, 572, 109.	38
14	Kurokawa, H., and Kawai, G. H-alpha Surge Activity at the First Stage of Magnetic Flux Emergence	1993	ASP Conf. Series, 46, 507.	38
16	Eto, S., Isobe, H., Narukage, N., Asai, A., Morimoto, T., Thompson, B., Yashiro, S., Wang, T.J., Kitai, R., Kurokawa, H., and Shibata, K. Relation between a Moreton Wave and an EIT Wave Observed on 1997 November 4	2002	PASJ, 54, 481.	37
17	Kurokawa, H., Kawaguchi, I., Funakoshi, Y., and Nakai, Y. Morphological and evolutionary features of Ellerman bombs	1982	Solar Phys., 79, 77.	36
18	Mizuno, Y., Yamada, S., Koide, S., and Shibata, K. General Relativistic Magnetohydrodynamic Simulations of Collapsars: Rotating Black Hole Cases	2004	ApJ, 615, 389.	35

順位	著者／タイトル	年	雑誌名	引用数
19	Isobe, H., Yokoyama, T., Shimojo, M., Morimoto, T., Kozu, H., Eto, S., Narukage, N., and Shibata, K. Reconnection Rate in the Decay Phase of a Long Duration Event Flare on 1997 May 12	2002	ApJ, 566, 528.	34
19	Shibata, K., and Yokoyama, T. Origin of the Universal Correlation between the Flare Temperature and the Emission Measure for Solar and Stellar Flares	1999	ApJL, 526, 49.	34
19	Kurokawa, H. High-resolution observations of H-alpha flare regions	1989	Space Science Reviews, 51, 49.	34
22	Kurokawa, H., Hanaoka, Y., Shibata, K., and Uchida, Y. Rotating eruption of an untwisting filament triggered by the 3B flare of 25 April, 1984	1987	Solar Phys., 108, 251.	32
22	Kitai, R. On the mass motions and the atmospheric states of moustach	1983	Solar Phys., 87, 135.	32
24	Asai, A., Shimojo, M., Isobe, H., Morimoto, T., Yokoyama, T., Shibasaki, K., and Nakajima, H. Periodic Acceleration of Electrons in the 1998 November 10 Solar Flare	2001	ApJL, 562, 103.	31
25	Kitai, R., and Muller, R. On the relation between chromospheric and photospheric fine structure in an active region	1984	Solar Phys., 90, 303	30
25	Shibata, K., Nishikawa, T., Kitai, R., and Suematsu, Y. Numerical hydrodynamics of the jet phenomena in the solar atmosphere. II - Surges	1982	Solar Phys., 77, 121	30
25	Okamoto, T. J., Tsuneta, S. Berger, et al. Coronal Transverse Magnetohydrodynamic Waves in a Solar Prominence	2007	Science, 318, 1577	30

### 6.3 附属天文台所属研究者の論文数の推移（査読論文のみ）

