

# Stanford

---

## Yousuke Utsumi

Project Scientist, SLAC National Accelerator Laboratory

### Bio

---

#### LINKS

- My web page: <https://www.slac.stanford.edu/~youtsumi/>
- HinOTORI: Tibet Observatory: <http://hinotori.hiroshima-u.ac.jp>
- Hyper Suprime-Cam: <http://hsc.mtk.nao.ac.jp>
- LSST @ SLAC: <https://lsst.slac.stanford.edu>
- lsst: <https://www.lsst.org>

### Publications

---

#### PUBLICATIONS

- **Velocity Dispersions of Massive Quiescent Galaxies from Weak Lensing and Spectroscopy** *ASTROPHYSICAL JOURNAL*  
Utsumi, Y., Geller, M. J., Zahid, H. J., Sohn, J., Dell'Antonio, I. P., Kawanomoto, S., Komiyama, Y., Koshida, S., Miyazaki, S.  
2020; 900 (1)
- **A challenge to identify an optical counterpart of the gravitational wave event GW151226 with Hyper Suprime-Cam(dagger)** *PUBLICATIONS OF THE ASTRONOMICAL SOCIETY OF JAPAN*  
Utsumi, Y., Tominaga, N., Tanaka, M., Morokuma, T., Yoshida, M., Asakura, Y., Finet, F., Furusawa, H., Kawabata, K. S., Liu, W., Matsubayashi, K., Moritani, Y., Motohara, et al  
2018; 70 (1)
- **Optical and NIR Observations for Gravitational Wave Event GW170817**  
Utsumi, Y.  
AAPPs Bulletin. Korea.  
2018 ; 28 (3): 31–33
- **J-GEM observations of an electromagnetic counterpart to the neutron star merger GW170817** *PUBLICATIONS OF THE ASTRONOMICAL SOCIETY OF JAPAN*  
Utsumi, Y., Tanaka, M., Tominaga, N., Yoshida, M., Barway, S., Nagayama, T., Zenko, T., Aoki, K., Fujiyoshi, T., Furusawa, H., Kawabata, K. S., Koshida, S., Lee, et al  
2017; 69 (6)
- **A WEAK LENSING VIEW OF THE DOWNSIZING OF STAR-FORMING GALAXIES** *ASTROPHYSICAL JOURNAL*  
Utsumi, Y., Geller, M. J., Dell'Antonio, I. P., Kamata, Y., Kawanomoto, S., Koike, M., Komiyama, Y., Koshida, S., Mineo, S., Miyazaki, S., Sakurai, J., Tait, P. J., Terai, et al  
2016; 833 (2)
- **REDUCING SYSTEMATIC ERROR IN WEAK LENSING CLUSTER SURVEYS** *ASTROPHYSICAL JOURNAL*  
Utsumi, Y., Miyazaki, S., Geller, M. J., Dell'Antonio, I. P., Oguri, M., Kurtz, M. J., Hamana, T., Fabricant, D. G.  
2014; 786 (2)
- **Hyper Suprime-Cam: the Control System**  
Utsumi, Y., Kawanomoto, S., Tait, P., Jeschke, E., Furusawa, H., Kamata, Y., Koike, M., Komiyama, Y., Miyazaki, S., Morokuma, T., Nakata, F., Nakaya, H., Uraguchi, et al  
SPIE-INT SOC OPTICAL ENGINEERING.2012

- **A LARGE NUMBER OF  $z > 6$  GALAXIES AROUND A QSO AT  $z = 6.43$ : EVIDENCE FOR A PROTOCLUSTER?** *ASTROPHYSICAL JOURNAL*  
Utsumi, Y., Goto, T., Kashikawa, N., Miyazaki, S., Komiyama, Y., Furusawa, H., Overzier, R.  
2010; 721 (2): 1680-1688
- **Photometry, Centroid and Point-spread Function Measurements in the LSST Camera Focal Plane Using Artificial Stars** *PUBLICATIONS OF THE ASTRONOMICAL SOCIETY OF THE PACIFIC*  
Esteves, J. H., Utsumi, Y., Snyder, A., Schutt, T., Broughton, A., Trbalic, B., Mau, S., Rasmussen, A., Malagon, A., Bradshaw, A., Marshall, S., Digel, S., Chiang, et al  
2023; 135 (1053)
- **Follow-up Survey for the Binary Black Hole Merger GW200224\_222234 Using Subaru/HSC and GTC/OSIRIS** *ASTROPHYSICAL JOURNAL*  
Ohgami, T., Gonzalez, J., Tominaga, N., Morokuma, T., Utsumi, Y., Niino, Y., Tanaka, M., Banerjee, S., Poidevin, F., Acosta-Pulido, J., Perez-Fournon, I., Munoz-Darias, T., Akitaya, et al  
2023; 947 (1)
- **HectoMAP: The Complete Redshift Survey (Data Release 2)** *ASTROPHYSICAL JOURNAL*  
Sohn, J., Geller, M. J., Hwang, H., Fabricant, D. G., Utsumi, Y., Damjanov, I.  
2023; 945 (2)
- **Size and Spectroscopic Evolution of HectoMAP Quiescent Galaxies** *ASTROPHYSICAL JOURNAL*  
Damjanov, I., Sohn, J., Geller, M. J., Utsumi, Y., Dell'Antonio, I.  
2023; 943 (2)
- **LoVoCCS. I. Survey Introduction, Data Processing Pipeline, and Early Science Results** *ASTROPHYSICAL JOURNAL*  
Fu, S., Dell'Antonio, I., Chary, R., Clowe, D., Cooper, M. C., Donahue, M., Evrard, A., Lacy, M., Lauer, T., Liu, B., McCleary, J., Meneghetti, M., Miyatake, et al  
2022; 933 (1)
- **Quiescent Galaxy Size, Velocity Dispersion, and Dynamical Mass Evolution** *ASTROPHYSICAL JOURNAL*  
Damjanov, I., Sohn, J., Utsumi, Y., Geller, M. J., Dell'Antonio, I.  
2022; 929 (1)
- **Subaru High-z Exploration of Low-luminosity Quasars (SHELLQs). XVI. 69 New Quasars at  $5.8 < z < 7.0$**  *ASTROPHYSICAL JOURNAL SUPPLEMENT SERIES*  
Matsuoka, Y., Iwasawa, K., Onoue, M., Izumi, T., Kashikawa, N., Strauss, M. A., Imanishi, M., Nagao, T., Akiyama, M., Silverman, J. D., Asami, N., Bosch, J., Furusawa, et al  
2022; 259 (1)
- **Characterisations of the HinOTORI telescope with a three-color imager at Ali Observatory in Western Tibet** *JOURNAL OF INSTRUMENTATION*  
Liu, W., Utsumi, Y., Yao, Y. Q., Kawabata, K. S., Sasada, M., Yoshida, M., Yin, J., Lou, Z.  
2022; 17 (1)
- **The HectoMAP Cluster Survey: Spectroscopically Identified Clusters and their Brightest Cluster Galaxies (BCGs)** *ASTROPHYSICAL JOURNAL*  
Sohn, J., Geller, M. J., Hwang, H., Diaferio, A., Rines, K. J., Utsumi, Y.  
2021; 923 (2)
- **Characterization and correction of serial deferred charge in LSST camera ITL CCDs** *JOURNAL OF ASTRONOMICAL TELESCOPES INSTRUMENTS AND SYSTEMS*  
Snyder, A., Longley, E., Lage, C., Digel, S., Neal, H., Utsumi, Y., Roodman, A.  
2021; 7 (4)
- **Hundreds of weak lensing shear-selected clusters from the Hyper Suprime-Cam Subaru Strategic Program S19A data** *PUBLICATIONS OF THE ASTRONOMICAL SOCIETY OF JAPAN*  
Oguri, M., Miyazaki, S., Li, X., Luo, W., Mitsuishi, I., Miyatake, H., More, S., Nishizawa, A. J., Okabe, N., Ota, N., Plazas Malagon, A. A., Utsumi, Y.  
2021; 73 (4): 817-829
- **J-GEM optical and near-infrared follow-up of gravitational wave events during LIGO's and Virgo's third observing run** *PROGRESS OF THEORETICAL AND EXPERIMENTAL PHYSICS*  
Sasada, M., Utsumi, Y., Itoh, R., Tominaga, N., Tanaka, M., Morokuma, T., Yanagisawa, K., Kawabata, K. S., Ohgami, T., Yoshida, M., Abe, F., Adachi, R., Akitaya, et al  
2021; 2021 (5)

- **Gravitational wave physics and astronomy in the nascent era** *PROGRESS OF THEORETICAL AND EXPERIMENTAL PHYSICS*  
Arimoto, M., Asada, H., Cherry, M. L., Fujii, M. S., Fukazawa, Y., Harada, A., Hayama, K., Hosokawa, T., Ioka, K., Itoh, Y., Kanda, N., Kawabata, K. S., Kawaguchi, et al  
2021
- **Optical follow-up observation for GW event S190510g using Subaru/Hyper Suprime-Cam** *PUBLICATIONS OF THE ASTRONOMICAL SOCIETY OF JAPAN*  
Ohgami, T., Tominaga, N., Utsumi, Y., Niino, Y., Tanaka, M., Banerjee, S., Hamasaki, R., Yoshida, M., Terai, T., Takagi, Y., Morokuma, T., Sasada, M., Akitaya, et al  
2021; 73 (2): 350-364
- **The HectoMAP Redshift Survey: First Data Release** *ASTROPHYSICAL JOURNAL*  
Sohn, J., Geller, M. J., Hwang, H., Fabricant, D. G., Moran, S. M., Utsumi, Y.  
2021; 909 (2)
- **Subaru/HSC deep optical imaging of infrared sources in the AKARI North Ecliptic Pole-Wide field** *MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY*  
Oi, N., Goto, T., Matsuhara, H., Utsumi, Y., Momose, R., Toba, Y., Malkan, M., Takagi, T., Huang, T., Kim, S., Ohyama, Y.  
2021; 500 (4): 5024–42
- **Follow-up observations for IceCube-170922A: Detection of rapid near-infrared variability and intensive monitoring of TXS 0506+056** *PUBLICATIONS OF THE ASTRONOMICAL SOCIETY OF JAPAN*  
Morokuma, T., Utsumi, Y., Ohta, K., Yamanaka, M., Kawabata, K. S., Inoue, Y., Tanaka, M., Yoshida, M., Itoh, R., Sasada, M., Tominaga, N., Mori, H., Kawabata, et al  
2021; 73 (1): 25-43
- **Blazar Radio and Optical Survey (BROS): A Catalog of Blazar Candidates Showing Flat Radio Spectrum and Their Optical Identification in Pan-STARRS1 Surveys** *ASTROPHYSICAL JOURNAL*  
Itoh, R., Utsumi, Y., Inoue, Y., Ohta, K., Doi, A., Morokuma, T., Kawabata, K. S., Tanaka, Y. T.  
2020; 901 (1)
- **Search for Optically Dark Infrared Galaxies without Counterparts of Subaru Hyper Suprime-Cam in the AKARI North Ecliptic Pole Wide Survey Field** *ASTROPHYSICAL JOURNAL*  
Toba, Y., Goto, T., Oi, N., Wang, T., Kim, S., Ho, S., Burgarella, D., Hashimoto, T., Hsieh, B., Huang, T., Hwang, H., Ikeda, H., Kim, et al  
2020; 899 (1)
- **Second data release of the Hyper Suprime-Cam Subaru Strategic Program** *PUBLICATIONS OF THE ASTRONOMICAL SOCIETY OF JAPAN*  
Aihara, H., AlSayyad, Y., Ando, M., Armstrong, R., Bosch, J., Egami, E., Furusawa, H., Furusawa, J., Goulding, A., Harikane, Y., Hikage, C., Ho, P. P., Hsieh, et al  
2019; 71 (6)
- **Stellar Population and Structural Properties of Dwarf Galaxies and Young Stellar Systems in the M81 Group** *ASTROPHYSICAL JOURNAL*  
Okamoto, S., Arimoto, N., Ferguson, A. N., Irwin, M. J., Bernard, E. J., Utsumi, Y.  
2019; 884 (2)
- **Subaru High-z Exploration of Low-luminosity Quasars (SHELLQs). X. Discovery of 35 Quasars and Luminous Galaxies at  $5.7 \leq z \leq 7.0$**  *ASTROPHYSICAL JOURNAL*  
Matsuoka, Y., Iwasawa, K., Onoue, M., Kashikawa, N., Strauss, M. A., Lee, C., Imanishi, M., Nagao, T., Akiyama, M., Asami, N., Bosch, J., Furusawa, H., Goto, et al  
2019; 883 (2)
- **Possible evolution of the circum-galactic medium around QSOs with QSO age and cosmic time revealed by Ly alpha haloes** *MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY*  
Momose, R., Goto, T., Utsumi, Y., Hashimoto, T., Chiang, C., Kim, S., Kashikawa, N., Shimasaku, K., Miyazaki, S.  
2019; 488 (1): 120–34
- **Cosmology from cosmic shear power spectra with Subaru Hyper Suprime-Cam first-year data** *PUBLICATIONS OF THE ASTRONOMICAL SOCIETY OF JAPAN*  
Hikage, C., Oguri, M., Hamana, T., More, S., Mandelbaum, R., Takada, M., Kohlinger, F., Miyatake, H., Nishizawa, A. J., Aihara, H., Armstrong, R., Bosch, J., Coupon, et al  
2019; 71 (2)

- **Infrared luminosity functions based on 18 mid-infrared bands: revealing cosmic star formation history with AKARI and Hyper Suprime-Cam** *PUBLICATIONS OF THE ASTRONOMICAL SOCIETY OF JAPAN*  
Goto, T., Oi, N., Utsumi, Y., Momose, R., Matsuura, H., Hashimoto, T., Toba, Y., Ohyama, Y., Takagi, T., Chiang, C., Kim, S., Eser, E., Malkan, et al  
2019; 71 (2)
- **Quiescent Galaxy Size and Spectroscopic Evolution: Combining HSC Imaging and Hectospec Spectroscopy** *ASTROPHYSICAL JOURNAL*  
Damjanov, I., Zahid, H., Geller, M. J., Utsumi, Y., Sohn, J., Souchereau, H.  
2019; 872 (1)
- **Discovery of the First Low-luminosity Quasar at  $z > 7$**  *ASTROPHYSICAL JOURNAL LETTERS*  
Matsuoka, Y., Onoue, M., Kashikawa, N., Strauss, M. A., Iwasawa, K., Lee, C., Imanishi, M., Nagao, T., Akiyama, M., Asami, N., Bosch, J., Furusawa, H., Goto, et al  
2019; 872 (1)
- **Subaru High-z Exploration of Low-luminosity Quasars (SHELLQs). V. Quasar Luminosity Function and Contribution to Cosmic Reionization at  $z=6$**  *ASTROPHYSICAL JOURNAL*  
Matsuoka, Y., Strauss, M. A., Kashikawa, N., Onoue, M., Iwasawa, K., Tang, J., Lee, C., Imanishi, M., Nagao, T., Akiyama, M., Asami, N., Bosch, J., Furusawa, et al  
2018; 869 (2)
- **Multimessenger observations of a flaring blazar coincident with high-energy neutrino IceCube-170922A** *SCIENCE*  
Aartsen, M. G., Ackermann, M., Adams, J., Aguilar, J. A., Ahlers, M., Ahrens, M., Al Samarai, I., Altmann, D., Andeen, K., Anderson, T., Ansseau, I., Anton, G., Arguelles, et al  
2018; 361 (6398): 146-+
- **Subaru High-z Exploration of Low-luminosity Quasars (SHELLQs). IV. Discovery of 41 Quasars and Luminous Galaxies at  $5.7 \leq z \leq 6.9$**  *ASTROPHYSICAL JOURNAL SUPPLEMENT SERIES*  
Matsuoka, Y., Iwasawa, K., Onoue, M., Kashikawa, N., Strauss, M. A., Lee, C., Imanishi, M., Nagao, T., Akiyama, M., Asami, N., Bosch, J., Furusawa, H., Goto, et al  
2018; 237 (1)
- **Multiwavelength study of X-ray luminous clusters in the Hyper Suprime-Cam Subaru Strategic Program S16A field (vol 70, S22, 2018)** *PUBLICATIONS OF THE ASTRONOMICAL SOCIETY OF JAPAN*  
Miyaoka, K., Okabe, N., Kitaguchi, T., Oguri, M., Fukazawa, Y., Mandelbaum, R., Medezinski, E., Babasaki, Y., Nishizawa, A. J., Hamana, T., Lin, Y., Akamatsu, H., Chiu, et al  
2018; 70 (3)
- **The HectoMAP Cluster Survey. I. redMaPPer Clusters** *ASTROPHYSICAL JOURNAL*  
Sohn, J., Geller, M. J., Rines, K. J., Hwang, H., Utsumi, Y., Diaferio, A.  
2018; 856 (2)
- **The HectoMAP Cluster Survey. II. X-Ray Clusters** *ASTROPHYSICAL JOURNAL*  
Sohn, J., Chon, G., Boehringer, H., Geller, M. J., Diaferio, A., Hwang, H., Utsumi, Y., Rines, K. J.  
2018; 855 (2)
- **Subaru Hyper Suprime-Cam Survey for an optical counterpart of GW170817** *PUBLICATIONS OF THE ASTRONOMICAL SOCIETY OF JAPAN*  
Tominaga, N., Tanaka, M., Morokuma, T., Utsumi, Y., Yamaguchi, M. S., Yasuda, N., Tanaka, M., Yoshida, M., Fujiyoshi, T., Furusawa, H., Kawabata, K. S., Lee, C., Motohara, et al  
2018; 70 (2)
- **Two- and three-dimensional wide-field weak lensing mass maps from the Hyper Suprime-Cam Subaru Strategic Program S16A data** *PUBLICATIONS OF THE ASTRONOMICAL SOCIETY OF JAPAN*  
Oguri, M., Miyazaki, S., Hikage, C., Mandelbaum, R., Utsumi, Y., Miyatake, H., Takada, M., Armstrong, R., Bosch, J., Komiyama, Y., Leauthaud, A., More, S., Nishizawa, et al  
2018; 70
- **The Hyper Suprime-Cam SSP Survey: Overview and survey design** *PUBLICATIONS OF THE ASTRONOMICAL SOCIETY OF JAPAN*  
Aihara, H., Arimoto, N., Armstrong, R., Arnouts, S., Bahcall, N. A., Bickerton, S., Bosch, J., Bundy, K., Capak, P. L., Chan, J. H., Chiba, M., Coupon, J., Egami, et al  
2018; 70

- **Subaru High-z Exploration of Low-Luminosity Quasars (SHELLQs). II. Discovery of 32 quasars and luminous galaxies at  $5.7 < z \leq 6.8$**  *PUBLICATIONS OF THE ASTRONOMICAL SOCIETY OF JAPAN*  
Matsuoka, Y., Onoue, M., Kashikawa, N., Iwasawa, K., Strauss, M. A., Nagao, T., Imanishi, M., Lee, C., Akiyama, M., Asami, N., Bosch, J., Foucaud, S., Furusawa, et al  
2018; 70
- **First data release of the Hyper Suprime-Cam Subaru Strategic Program** *PUBLICATIONS OF THE ASTRONOMICAL SOCIETY OF JAPAN*  
Aihara, H., Armstrong, R., Bickerton, S., Bosch, J., Coupon, J., Furusawa, H., Hayashi, Y., Ikeda, H., Kamata, Y., Karoji, H., Kawanomoto, S., Koike, M., Komiyama, et al  
2018; 70
- **The on-site quality-assurance system for Hyper Suprime-Cam: OSQAH** *PUBLICATIONS OF THE ASTRONOMICAL SOCIETY OF JAPAN*  
Furusawa, H., Koike, M., Takata, T., Okura, Y., Miyatake, H., Lupton, R. H., Bickerton, S., Price, P. A., Bosch, J., Yasuda, N., Mineo, S., Yamada, Y., Miyazaki, et al  
2018; 70
- **The first-year shear catalog of the Subaru Hyper Suprime-Cam Subaru Strategic Program Survey** *PUBLICATIONS OF THE ASTRONOMICAL SOCIETY OF JAPAN*  
Mandelbaum, R., Miyatake, H., Hamana, T., Oguri, M., Simet, M., Armstrong, R., Bosch, J., Murata, R., Lanusse, F., Leauthaud, A., Coupon, J., More, S., Takada, et al  
2018; 70
- **Hyper Suprime-Cam: System design and verification of image quality** *PUBLICATIONS OF THE ASTRONOMICAL SOCIETY OF JAPAN*  
Miyazaki, S., Komiyama, Y., Kawanomoto, S., Doi, Y., Furusawa, H., Hamana, T., Hayashi, Y., Ikeda, H., Kamata, Y., Karoji, H., Koike, M., Kurakami, T., Miyama, et al  
2018; 70
- **Multiwavelength study of X-ray luminous clusters in the Hyper Suprime-Cam Subaru Strategic Program S16A field** *PUBLICATIONS OF THE ASTRONOMICAL SOCIETY OF JAPAN*  
Miyaoka, K., Okabe, N., Kitaguchi, T., Oguri, M., Fukazawa, Y., Mandelbaum, R., Medezinski, E., Babasaki, Y., Nishizawa, A. J., Hamana, T., Lin, Y., Akamatsu, H., Chiu, et al  
2018; 70
- **A large sample of shear-selected clusters from the Hyper Suprime-Cam Subaru Strategic Program S16A Wide field mass maps** *PUBLICATIONS OF THE ASTRONOMICAL SOCIETY OF JAPAN*  
Miyazaki, S., Oguri, M., Hamana, T., Shirasaki, M., Koike, M., Komiyama, Y., Umetsu, K., Utsumi, Y., Okabe, N., More, S., Medezinski, E., Lin, Y., Miyatake, et al  
2018; 70
- **Hyper Suprime-Cam: Camera dewar design** *PUBLICATIONS OF THE ASTRONOMICAL SOCIETY OF JAPAN*  
Komiyama, Y., Obuchi, Y., Nakaya, H., Kamata, Y., Kawanomoto, S., Utsumi, Y., Miyazaki, S., Uraguchi, F., Furusawa, H., Morokuma, T., Uchida, T., Miyatake, H., Mineo, et al  
2018; 70
- **Kilonova from post-merger ejecta as an optical and near-Infrared counterpart of GW170817** *PUBLICATIONS OF THE ASTRONOMICAL SOCIETY OF JAPAN*  
Tanaka, M., Utsumi, Y., Mazzali, P. A., Tominaga, N., Yoshida, M., Sekiguchi, Y., Morokuma, T., Motohara, K., Ohta, K., Kawabata, K. S., Abe, F., Aoki, K., Asakura, et al  
2017; 69 (6)
- **No Ly alpha emitters detected around a QSO at  $z=6.4$ : Suppressed by the QSO?** *MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY*  
Goto, T., Utsumi, Y., Kikuta, S., Miyazaki, S., Shiki, K., Hashimoto, T.  
2017; 470 (1): L117–L121
- **CLUSTERING OF EXTREMELY RED OBJECTS IN THE SUBARU GTO 2DEG(2) FIELD** *JOURNAL OF THE KOREAN ASTRONOMICAL SOCIETY*  
Shin, J., Shim, H., Hwang, H., Ko, J., Lee, J., Utsumi, Y., Hwang, N., Park, B.  
2017; 50 (3): 61–70
- **J-GEM follow-up observations of the gravitational wave source GW151226** *PUBLICATIONS OF THE ASTRONOMICAL SOCIETY OF JAPAN*  
Yoshida, M., Utsumi, Y., Tominaga, N., Morokuma, T., Tanaka, M., Asakura, Y., Matsubayashi, K., Ohta, K., Abe, F., Chimasu, S., Furusawa, H., Itoh, R., Itoh, et al

2017; 69 (1)

● **Ghost in the Subaru Prime Focus Camera**

Yagi, M., Utsumi, Y., Komiyama, Y., Lorente, N. P., Shorridge, K., Wayth, R.  
ASTRONOMICAL SOC PACIFIC.2017: 651–54

● **GALAXY-SCALE GRAVITATIONAL LENS CANDIDATES FROM THE HYPER SUPRIME-CAM IMAGING SURVEY AND THE GALAXY AND MASS ASSEMBLY SPECTROSCOPIC SURVEY ASTROPHYSICAL JOURNAL**

Chan, J. H., Suyu, S. H., More, A., Oguri, M., Chiueh, T., Coupon, J., Hsieh, B., Komiyama, Y., Miyazaki, S., Murayama, H., Nishizawa, A. J., Price, P., Tait, et al 2016; 832 (2)

● **SUBARU HIGH-z EXPLORATION OF LOW-LUMINOSITY QUASARS (SHELLQs). I. DISCOVERY OF 15 QUASARS AND BRIGHT GALAXIES AT  $5.7 < z < 6.9$  ASTROPHYSICAL JOURNAL**

Matsuoka, Y., Onoue, M., Kashikawa, N., Iwasawa, K., Strauss, M. A., Nagao, T., Imanishi, M., Niida, M., Toba, Y., Akiyama, M., Asami, N., Bosch, J., Foucaud, et al

2016; 828 (1)

● **J-GEM follow-up observations to search for an optical counterpart of the first gravitational wave source GW150914 PUBLICATIONS OF THE ASTRONOMICAL SOCIETY OF JAPAN**

Morokuma, T., Tanaka, M., Asakura, Y., Abe, F., Tristram, P. J., Utsumi, Y., Doi, M., Fujisawa, K., Itoh, R., Itoh, Y., Kawabata, K. S., Kawai, N., Kuroda, et al 2016; 68 (4)

● **A SPECTROSCOPICALLY CONFIRMED DOUBLE SOURCE PLANE LENS SYSTEM IN THE HYPER SUPRIME-CAM SUBARU STRATEGIC PROGRAM ASTROPHYSICAL JOURNAL LETTERS**

Tanaka, M., Wong, K. C., More, A., Dezuka, A., Egami, E., Oguri, M., Suyu, S. H., Sonnenfeld, A., Higuchi, R., Komiyama, Y., Miyazaki, S., Onoue, M., Oyamada, et al 2016; 826 (2)

● **Hyper-luminous dust-obscured galaxies discovered by the Hyper Suprime-Cam on Subaru and WISE PUBLICATIONS OF THE ASTRONOMICAL SOCIETY OF JAPAN**

Toba, Y., Nagao, T., Strauss, M. A., Aoki, K., Goto, T., Imanishi, M., Kawaguchi, T., Terashima, Y., Ueda, Y., Bosch, J., Bundy, K., Doi, Y., Inami, et al 2015; 67 (5)

● **A HYPER SUPRIME-CAM VIEW OF THE INTERACTING GALAXIES OF THE M81 GROUP ASTROPHYSICAL JOURNAL LETTERS**

Okamoto, S., Arimoto, N., Ferguson, A. N., Bernard, E. J., Irwin, M. J., Yamada, Y., Utsumi, Y.  
2015; 809 (1)

● **PROPERTIES OF WEAK LENSING CLUSTERS DETECTED ON HYPER SUPRIME-CAM's 2.3 deg<sup>2</sup> FIELD ASTROPHYSICAL JOURNAL**

Miyazaki, S., Oguri, M., Hamana, T., Tanaka, M., Miller, L., Utsumi, Y., Komiyama, Y., Furusawa, H., Sakurai, J., Kawanomoto, S., Nakata, F., Uraguchi, F., Koike, et al 2015; 807 (1)