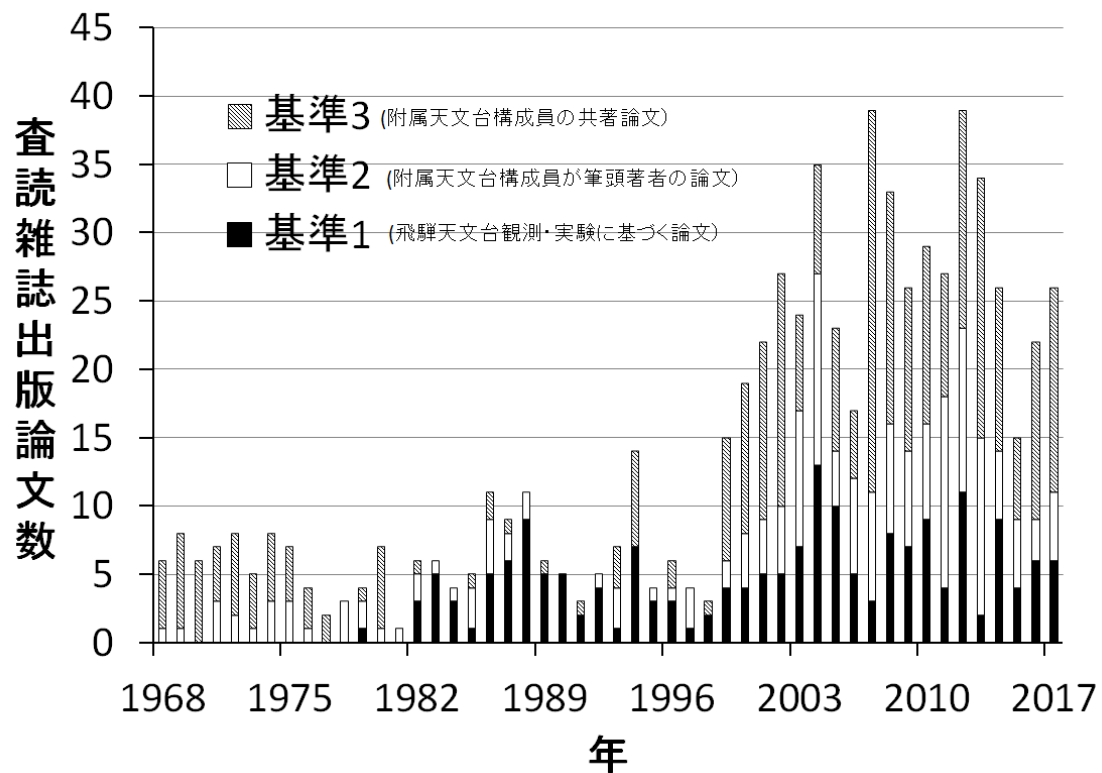


6 論文リスト



飛騨天文台設立以降の附属天文台所属研究者の論文数の推移。

論文リストは1968年(飛騨天文台設立年)以降に出版された査読雑誌論文の中から、次の排他的な基準に従って選定した。

基準1: 飛騨天文台で取得されたデータを使用した論文、飛騨天文台でなされた実験に基づく論文(附属天文台構成員*ではない研究者の論文も含む)。

基準2: 附属天文台構成員が筆頭著者の論文で、飛騨天文台の観測、実験を用いていないもの。

基準3: 附属天文台構成員が共著者の論文で飛騨天文台の観測、実験を用いていないもの。

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15	Ishii, T. T., Kurokawa, H. & Takeuchi, T. T. Emergence of a Twisted Magnetic Flux Bundle as a Source of Strong Flare Activity	1998	ApJ,499,898	59
16	Kurokawa, H., Hanaoka, Y., Shibata, K. & Uchida, Y. Rotating eruption of an untwisting filament triggered by the 3B flare of 25 April, 1984	1987	SoPh,108,251	57
17	Uemura, M. et al. Structure in the early afterglow light curve of the γ -ray burst of 29 March 2003	2003	Nature,423,843	54
18	Okamoto, T. J. et al. Prominence Formation Associated with an Emerging Helical Flux Rope	2009	ApJ,697,913	51
19	Watanabe, H. et al. Spectropolarimetric Observation of an Emerging Flux Region: Triggering Mechanisms of Ellerman Bombs	2008	ApJ,684,736	51
20	Tsubaki, T. & Takeuchi, A. Periodic Oscillations Found in the Velocity Field of a Quiescent Prominence	1986	SoPh,104,313	48
21	Kurokawa, H., Wang, T. & Ishii, T. T. Emergence and Drastic Breakdown of a Twisted Flux Rope to Trigger Strong Solar Flares in NOAA Active Region 9026	2002	ApJ,572,598	46

順位	著者, タイトル	年	雑誌名	被引用回数
22	Kurokawa, H. High-Resolution Observations of H α Flare Regions	1989	SSRv,51,49	46
23	Schmieder, B. et al. Magnetic Causes of the Eruption of a Quiescent Filament	2008	SoPh,247,321	38
24	Li, H., Sakurai, T., Ichimoto, K. & UeNo, S. Magnetic Field Evolution Leading to Solar Flares I. Cases with Low Magnetic Shear and Flux Emergence	2000	PASJ,52,465	38
25	McAllister, A. H., Kurokawa, H., Shibata, K. & Nitta, N. A Filament Eruption and Accompanying Coronal Field Changes on November 5, 1992	1996	SoPh,169,123	36

修士論文

授与年	氏名	論文題目
1957	中井 善寛	天体光電測光法
1959	久保田 諄	成長曲線の方法に就いて
1962	椿 都生夫	On the Limb darkening of the Solar Surface – in the Continuous Emission –
1963	野村 勉	太陽紅炎における温度と密度の決定について
1964	赤羽 徳英	月面の微細構造
1965	為永 辰郎	花山天文台太陽館におけるプロミネンススペクトルの観測
1966	鳴海 泰典	Seasonal Distributions of Surface Temperature and Vertical Temperature Profile on Mars
1967	渡辺 堯	HII 領域の電波観測
1967	岩崎 恭輔	(1)The Atmosphere of Venus (2)A Nongray Greenhouse Model and Microwave Absorption in the Atmosphere of Venus
1967	大木健一郎	The Acceleration Mechanism of Charged Particles in Solar Flares
1967	黒河 宏企	1962 年ニューギニア・ラエにおけるフラッシュ・スペクトルの整理
1967	船越 康宏	太陽黒点暗部における乱流速度
1968	小田 進幸	The Review of Convection Problem in the Stars
1969	吉川 一雄	On the Spectra of Surge Prominence
1969	斉藤 良一	On the Thermal History of the Moon and Earth
1970	前田 耕一郎	太陽フレアの発生機構
1971	暮泉 武	Umbral Dot
1973	北井 礼三郎	Loop Prominence
1978	西川 宝	太陽 LIMB 付近での EUV 輝線輻射の Obscuration
1979	柴田 一成	Two Dimensional Numerical Simulation of Rising Magnetic Flux Tubes in the Solar Atmosphere
1979	浅田 正	1977–1978 年の北温帯縞北組織暗部について
1980	二階堂 義信	静穏型紅円炎中に於ける NaID 輝線
1981	末松 芳法	彩層微細構造中の運動について -スピキュール-
1983	一本 潔	太陽フレアに於ける H α 輝線の red asymmetry
1984	北原 達正	Solar Flare における H α Kernel の微細構造
1984	當村 一朗	The Spatial Distribution of EUV Weakening in Solar Prominances
1984	金 甲星	The Structure of a Solar Prominence

授与年	氏名	論文題目
1985	花岡 庸一郎	1980 年 2 月 16 日の皆既日食で見られた Sporadic Coronal Condensation
1987	竹内 彰継	静止型 Prominence の速度場で検出された振動現象と Trapped Fast Wave について
1987	川上 新吾	太陽活動領域の磁場構造について
1988	秋岡 真樹	第 21 太陽活動周期における黒点活動
1989	Bachtiar Anwar	Sunspot and Stray Light Observations During the 1987 September 23 Partial Solar Eclipse
1989	河合 吾郎	太陽磁場浮上領域に見られたサージ及び擬似サージについて
1991	小路 真木子	複数のラインによるフレア・エミッションのシフト量の解析
1993	武田 秋	1991 年メキシコ皆既日食のデータ解析と内部コロナの温度構造
1993	新川 雄彦	太陽黒点の磁場の傾きについて
1994	Dhani Herdiwijaya	On the Study of Sunspot Proper Motion in 1989, 1990, and 1992
1995	真柄 哲也	Numerical Simulation of Magnetic Reconnection in Eruptive Flares
1995	吉村 圭司	磁束管浮上領域 H α 線像と軟 X 線像の比較
1996	佐野 周作	太陽彩層面におけるサージ活動発生領域の磁氣的環境について
1997	石井 貴子	太陽黒点固有運動の解析に基づいた浮上磁場構造の研究
1997	上野 悟	Various Aspects of Solar Atmosphere – From Convection Zone to Corona –
1998	天間 崇文	CH ₄ 吸収線を用いた多波長測光観測による木星大気鉛直構造の推定
2000	高津 裕通	撮像装置 RTFS2 の開発と太陽活動領域の対流構造の研究
2000	中串 孝志	Syrtis Major 領域に於けるブルークリアリング現象に対する Martian equatorial clouds の影響について
2000	森本 太郎	フィラメント消失現象とコロナアーケイド生成の相関
2001	早川 知範	火星の大気大循環 (主に極冠の研究) The General Circulation on Mars (The Study of Polar Caps)
2002	浅井 歩	Active Phenomena on the Solar Surface (太陽表面での活動現象)
2002	磯部 洋明	Studies of Solar and Protostellar Flares (太陽・原始星フレアの研究)
2002	森安 聡嗣	Alven Wave による太陽浮上磁気ループ中のコロナ加熱
2003	神尾 精	H α Fine Features Observed in Solar Chromosphere (太陽彩層で観測された H α 微細構造について)
2003	清原 淳子	太陽磁気活動現象の観測的研究: 太陽フレアの定量解析とベクトルマグネトグラフの開発
2003	高崎 宏之	Energetic Phenomena of the Solar Flares (太陽フレアに伴う高エネルギー現象)
2003	成影 典之	Simultaneous Observations of Moreton Waves and X-Ray Waves (太陽フレアにともなう衝撃波について)

授与年	氏名	論文題目
2004	上原 一浩	MHD Simulations of Astrophysical Jets – Star-Disk Interaction, and Development of 3-Dimensional MHD Simulation Code –
2004	塩田 大幸	Numerical Studies of Magnetic Reconnection in Solar Coronal Mass Ejections (太陽コロナ質量放出における磁気リコネクションの数値的研究)
2005	今田 明	SU UMa-type Dwarf Novae with Short Orbital Periods (短周期 SU UMa 型矮新星の可視光観測)
2005	岡本 丈典	Observational Studies on Solar Filaments (太陽フィラメントに関する観測的研究)
2006	齊藤 祥行	太陽フレアと彩層底部加熱に関する観測的研究
2006	清水 雅樹	MHD Simulation of Magnetic Reconnection Associated with Emerging Flux in the Solar Atmosphere(浮上磁場に伴う磁気リコネクションの研究)
2006	西田 圭佑	Numerical Studies of Magnetic Reconnection in Solar Flares(太陽フレアにおける磁気リコネクションの MHD シミュレーション)
2006	Patrick Antolin	Coronal Heating by Nanoflares and Alfvén Waves, Predicting Observational Features
2007	川道 俊見	A Hydrodynamic Simulation of Protostellar Flares with Non-thermal Heating and Expected Hard X-ray Spectrum(非熱的電子を含めた原始星フレアのシミュレーションおよび予測される硬 X 線スペクトル)
2007	長島 薫	エネルギー解放及びトリガー機構に関する太陽フレアの観測的研究
2007	西塚 直人	Fractal Structure and Particle Acceleration in the Impulsive Solar Flare. (インパルス太陽フレアのフラクタル構造と粒子加速)
2007	松本 琢磨	The Interaction between the Magnetic Field and the Plasmas in the Solar Atmosphere: From Ellerman Bombs to Solar Wind. (太陽大気における磁場とプラズマの相互作用)
2007	馬見塚 裕	Theoretical Approach to the Acceleration Mechanism of Blazar Jets in the Framework of Kerr Space-Time: The Effect of Disk-Dynamo and Magnetic Reconnection on the Energy Conversion in Magnetically Driven Jets. (カー時空におけるブレイザーの MHD モデルによる σ 問題へのアプローチ)
2008	大辻 賢一	太陽表面磁気浮上に伴う活動現象の観測的研究
2008	杉保 圭	激変星、KR Aur, PQ Gem における短時間変動の観測
2008	須崎 亮平	Zeeman 効果による原始星ジェットの磁場観測について
2008	中村 太平	太陽光球・彩層リコネクションの研究

授与年	氏名	論文題目
2009	川手 朋子	シャックハルトマン波面センサを用いた太陽観測用 DIMM の特性
2009	副島 裕一	Superhump Evolutions During Superoutbursts of SU UMa-type Dwarf Novae
2009	松本 仁	Relativistic Magnetohydrodynamic Simulations of Magnetar Outflows
2009	渡邊 皓子	Observational Studies of Fine Scale Structures in Sunspot Umbrae
2010	阿南 徹	飛騨天文台ドームレス太陽望遠鏡偏光キャリブレーション
2011	車 信一郎	マグネター磁気圏における対生成を考慮した電流シートダイナミクスの解析
2011	田中 淳平	Study of Spectral Evolutions of Classical and Recurrent Novae
2010	橋本 祐樹	Dynamic Phenomena in the Solar Chromosphere
2012	玉澤 春史	太陽フレアおよび銀河中心の磁気流体現象についてのシミュレーションによる研究
2013	蔵本 哲也	フレア星の高時間分解能低分散分光観測による恒星フレア発生機構の研究
2013	高棹 真介	Explosive Phenomena Associated with Magnetic Reconnection in the Solar Atmosphere (磁気リコネクションにともなう太陽の爆発現象に関する研究)
2013	中村 尚樹	Numerical Study of Magnetic Reconnection and Application to Solar Active Phenomena (数値シミュレーションによる磁気リコネクションの研究と太陽活動現象への応用)
2014	高橋 卓也	Observational and Numerical Study of Explosive Phenomena on the Sun
2014	田中 悠基	野辺山太陽電波ヘリオグラフを用いたジャイロレゾナンス放射の統計的解析
2014	福岡 隆敏	飛騨天文台 SMART 搭載ベクトルマグネトグラフ用インバージョンコードの開発
2014	山口 雅史	京都大学飛騨天文台で観測されたモートン波現象に付随するフィラメント噴出の統計的解析
2015	佐野 聖典	飛騨天文台ドームレス太陽望遠鏡によるプロミネンスの多波長偏光分光観測
2015	竹重 聡史	磁気圧優勢なプラズマ中に形成される電流シートのダイナミクス
2015	中田 智香子	Observational Study of the Terminal Evolutionary Stage of Cataclysmic Variables

授与年	氏名	論文題目
2016	須田 武憲	磁気リコネクションによる二重スピキュール発生モデル
2016	平石 平	スーパーフレアが地球に与える影響
2016	野津 湧太	スーパーフレアを起こした太陽型星の高分散分光観測
2016	廣瀬 公美	H α 線太陽全面像を用いたフィラメント消失の要因、及びコロナ質量放出との関連についての研究
2017	黄 于蔚	Diagnosis of Prominence Magnetic fields with the new Simultaneous Multi-Wavelength Spectro-Polarimetry of DST
2017	坂上 峻仁	Observational Study on the Solar Jet: Energy Build-up and Release Process (太陽ジェット現象におけるエネルギー蓄積・解放過程の観測的研究)
2017	鄭 祥子	Spectroscopic study of spatial and temporal evolution of a chromospheric bright feature in a solar flare (分光観測で探る太陽フレアのダイナミクス)
2018	中村 達希	太陽フレアに伴う彩層における低温上昇流は形成可能か?
2018	行方 宏介	Observational Studies on Solar Flares toward an Understanding of Energy Release Mechanism of Stellar Flares (恒星フレアのエネルギー解放機構の理解に迫る太陽フレアの観測的研究)
2018	二宮 翔太	太陽観測衛星「ひので」を用いた光球磁束管の統計的研究

博士論文

授与年	氏名	論文題目
1967	椿 都生夫	A New Model of the Coronal Condensation (コロナ・コンデンセーションの新しいモデル)
1968	久保田 諄	The Spectra of Lower Balmer Lines in the Dark Filament (太陽面上のダークフィラメントに於ける低バルマー線のスペクトル)
1973	為永 辰郎	(サージ型プロミネンスの速度場)
1975	渡辺 堯	Solar Wind and EUV Corona (太陽風と極紫外コロナ)
1975	黒河 宏企	The Coronal Condensation Observed at the 1973 Eclipse (1973 年日食に於けるコロナルコンデンセーション)
1976	中井 善寛	Astronomical Considerations to the 65cm Refractor, its Facilities and Photometer of the HIDA Observatory (飛騨天文台 65cm 屈折望遠鏡と測光装置の性能に関する天文学的考察)
1976	岩崎 恭輔	Spatial Variations of the Strength of CO ₂ Absorption and the Rotational Temperature on Venus (金星大気に於ける CO ₂ 吸収の強度とその回転温度の場所的変化)
1976	赤羽 徳英	Evolution of Maria abd Development of Terrae of the Moon (月の海の進化と陸の成長)
1977	暮泉 武	ループ状紅炎のスペクトル解析
1981	前田 耕一郎	Interplanetary Scitillation in Jupiter's Decametric Radiation (木星デカメータ放射における惑星間空間シンチレーション)
1983	西川 宝	Origin of the Weakening of EUV Emission Lines Formed in the Chromosphere-Corona Transition Zone (彩層・コロナ遷移帯で形成される極紫外輝線の減光の起源)
1983	二階堂 義信	On the Intensity Ratio of Emission Lines of NaID1 to D2 in Prominences (NaID1 対 D2 の強度比から見た紅炎中の NaID 輝線現象)
1983	北井 礼三郎	On the Mass Motions and the Atomospheric States of Moustaches (ムスタッシュの運動及び大気状態について)
1983	柴田 一成	Nonlinear MHD Wave Propagation in the Solar Chromosphere I. The Case of Uniform Vertical Magnetic Field (太陽彩層における非線型電磁流体波伝播 I. 一様鉛直磁場の場合)
1984	小田 進幸	Morphological Study of the Solar Granulation III. The Mesogranulation (太陽粒状斑の形態敵研究 III. メゾグラニューレーション)

授与年	氏名	論文題目
1985	末松 芳法	Mass Motions Due to Shock Propagations along Low-Lying Loops in the Solar Atmosphere: On the Formation of Fibrils (太陽大気内の低ループに沿った衝撃波伝播による物質運動：ファイブリルの形成について)
1985	浅田 正	Numerical Experiments of the Intermediate Scale Eddies and the STrD on Jupiter (中規模渦の数値実験と木星南熱帯攪乱)
1987	一本 潔	Evershed Effect Observed in Various Photospheric Lines I. Dependence of the velocity Distribution Across the Penumbra on the Equivalent Width (多数の吸引線でみたエバーシェッド効果 I. 黒点半暗部における速度分布の吸引線等価値幅に対する依存性)
1987	金 甲星	Emitting Region of Sodium Lines in Solar(太陽紅炎のナトリウム線放出領域について)
1988	花岡 庸一郎	The Active Region Coronal Loops Observed at the Total Eclipse of February 16, 1980 (1980 年 2 月 16 日の皆既日食で観測された活動領域コロナループ)
1993	秋岡 真樹	Detailed Comparison Between Sunspot Activity In “Hot Spots” And Galactic Cosmic Ray Intensity (太陽面「ホットスポット」における黒点活動と銀河宇宙線強度変動の詳細比較)
1993	Bachtiar Anwar	Rapid Sunspot Motion during a Major Solar Flare (太陽の大フレア時における高速黒点運動)
1993	竹内 彰継	The Nonlinear Evolution of Convective Instability in a Solar Magnetic Flux Tube (太陽光球の磁束管内における対流不安定の非線型時間発展について)
1995	小路 真木子	Evolutional Characteristics of Multiple Spectral Lines during the Impulsive Phase of Solar Flares (太陽フレアのインパルシブ期におけるスペクトル線の発展的特徴)
1997	Dhani Herdiwijaya	The Proper Motion of Individual Sunspots (太陽の黒点の固有運動)
1998	真柄 哲也	A Study of Solar Flares based on Comparison between Theory and Observation (理論と観測の比較に基づいた太陽フレアの研究)
1999	吉村 圭司	太陽表面での磁束管の浮上とそれにもなう軟 X 線増光について
2000	石井 貴子	Relation between Emergence of Twisted Magnetic Flux Bundle and Flare Activities in Active Regions on the Sun (太陽活動領域における捻れた磁束管の浮上とフレア活動との関連について)
2000	武田 秋	Contribution and Properties of the Green- and Red-Line Coronal Loops in the K-Corona (太陽コロナの温度・密度構造について：皆既日食観測より導かれる新たな描像)

授与年	氏名	論文題目
2003	中串 孝志	Observational Studies of the Martian Low-Latitude Cloud Belt (火星低緯度氷晶雲帯の観測的研究)
2003	森本 太郎	On the Three Dimensional Velocity Fields of Disappearing Solar Filaments and Their Relation to Coronal Activities (太陽 H α フィラメント消失の三次元速度場導出方法と随伴コロナ活動との相関関係)
2004	水野 陽介	General Relativistic Magnetohydrodynamic Simulations of Collapsars as a Model for Gamma-Ray Bursts (ガンマ線バーストのモデルとしてのコラプサーの一般相対論的磁気流体力学シミュレーション)
2004	浅井 歩	Observational Studies on Energy Release Mechanism in Solar Flares (太陽フレアにおけるエネルギー解放機構の観測的研究)
2005	磯部 洋明	Numerical and Observational Studies of Magnetic Reconnection in the Solar Corona (太陽コロナにおける磁気リコネクションの数値的及び観測的研究)
2006	神尾 精	Spectroscopic Study of Dynamic Phenomena in the Solar Atmosphere (太陽大気における活動現象の分光観測による研究)
2006	木暮 宏光	The Study of Astrophysical Jets and Accretion Disks by Three-Dimensional MHD Simulations (3次元 MHD シミュレーションによる、宇宙ジェットと降着円盤に関する研究)
2006	高津 裕通	Observational Studies of Convective Structure in Emerging Flux Regions (浮上磁場領域における対流構造の観測的研究)
2006	高崎 宏之	Energetic Phenomena of the Solar Flares : Plasmoid Ejections and Particle Transport and Acceleration (太陽フレアにおける高エネルギー現象 : プラズモイド噴出現象、粒子輸送、加速過程)
2006	成影 典之	Observational Studies of Flare-Associated Waves and Reconnection Inflows (太陽フレアに伴う波動現象とリコネクションインフローの観測的研究)
2007	塩田 大幸	Numerical and Observational Studies of Coronal Mass Ejections and Associated Phenomena (コロナ質量放出と付随する現象の数値的観測的研究)
2007	Ahmed Ibrahim	Long Term Simulations of Astrophysical Jets; Energy Structure and Quasi-Periodic Ejection (宇宙ジェットの長時間シミュレーション : エネルギー構造と準周期的噴出)
2008	今田 明	CCD Photometry of SU UMa-Type Dwarf Novae (おおぐま座 SU 型星の CCD 測光観測)
2008	岡本 丈典	Observational Studies on Formation and Evolution of Solar Active Region Prominences (活動領域プロミネンスの形成・進化に関する観測的研究)

授与年	氏名	論文題目
2008	政田 洋平	A Key Process for Magnetohydrodynamic Phenomena in Astrophysical Compact Objects (高密度天体における電磁流体现象の鍵を握る物理機構)
2009	西田 圭佑	Magnetohydrodynamic Simulations of Solar Flares with Plasmoid Ejection: What Determines Reconnection Rate and Reconnection Duration? (プラズモイド噴出を伴う太陽フレアの磁気流体シミュレーション: リコネクション率とリコネクションの継続時間は何によって決まるのか?)
2009	Patrick Antolin	Predicting observational signatures of coronal heating by Alfvén waves and nanoflares (アルフヴェン波とナノフレアによるコロナ加熱の観測的特徴)
2010	西塚 直人	Ubiquitous and Fractal Reconnection in the Solar Atmosphere (太陽大気における磁気リコネクションのコビキタス性とフラクタル性の理論的・観測的研究)
2010	松本 琢磨	Spicule Formation, Coronal Heating, and Solar Wind Acceleration with Alfvén waves driven by observed photospheric motions (観測された光球速度場で駆動されたアルフベン波によるスピキュール形成、コロナ加熱および太陽風加速)
2011	大辻 賢一	Observational Study of Solar Emerging Magnetic Flux Region (太陽浮上磁場領域の観測的研究)
2011	Andrew Hillier	Numerical Study of Plasma Instabilities to Investigate Fine-Scale Prominence Dynamics (プロミネンスのプラズマ不安定性と微細ダイナミクスに関する数値的研究)
2012	川手 朋子	Observational Study of Particle Acceleration in Solar Flares (太陽フレアにおける粒子加速現象の観測的研究)
2012	渡邊 皓子	Observational Study of Umbral Dots. Manifestation of Magnetoconvection in a Solar Sunspot (Umbral Dot に関する観測的研究、太陽黒点における磁気対流現象)
2012	松本 仁	Special Relativistic Magnetohydrodynamic Simulations of Astrophysical Outflows (天体アウトフローの特殊相対論的電磁流体シミュレーション)
2014	阿南 徹	Open a New Window of Plasma Diagnostics in the Solar Physics with Spectropolarimetric Observation (太陽物理における偏光分光観測を用いた新しいプラズマ診断手法の開拓)
2015	滝澤 寛	Evolution and Flare Activity of δ -spots in Cycle 23 (太陽活動第23期に観測されたデルタ型黒点群の時間発展とフレア活動)

授与年	氏名	論文題目
2016	高埴 真介	Fundamental Magnetohydrodynamic Processes of Solar Flares: Formation of Flare-productive Regions and Evolution of Flare Loops (太陽フレアの基礎的磁気流体過程：フレア活動性の高い領域の形成とフレアループの進化)
2017	高橋 卓也	Dynamics of Flare Shocks and Propagation of Coronal Mass Ejections (フレア衝撃波とコロナ質量放出の伝搬の動力学)