

Robert Erdlyi

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

301
papers

7,762
citations

47
h-index

74
g-index

323
ext. papers

8,698
ext. citations

4.6
avg, IF

6.4
L-index

| # | Paper | IF | Citations |
|-----|---|------|-----------|
| 301 | On the Differences in the Periodic Behavior of Magnetic Helicity Flux in Flaring Active Regions with and without X-class Events. <i>Astrophysical Journal</i> , 2022 , 925, 129 | 4.7 | 0 |
| 300 | Twin Extreme Ultraviolet Waves in the Solar Corona. <i>Astrophysical Journal Letters</i> , 2022 , 929, L4 | 7.9 | 0 |
| 299 | Magnetohydrodynamic Simulations of Spicular Jet Propagation Applied to Lower Solar Atmosphere Model. II. Case Studies with Tilted Jets. <i>Astrophysical Journal</i> , 2022 , 929, 88 | 4.7 | |
| 298 | Comparative case study of two methods to assess the eruptive potential of selected active regions. <i>Research in Astronomy and Astrophysics</i> , 2021 , 21, 313 | 1.5 | 1 |
| 297 | Reflection and Evolution of Torsional Alfvén Pulses in Zero-beta Flux Tubes. <i>Astrophysical Journal</i> , 2021 , 922, 118 | 4.7 | 0 |
| 296 | Critical Science Plan for the Daniel K. Inouye Solar Telescope (DKIST). <i>Solar Physics</i> , 2021 , 296, 1 | 2.6 | 21 |
| 295 | Propagation of Torsional Alfvén Pulses in Zero-beta Flux Tubes. <i>Astrophysical Journal</i> , 2021 , 911, 39 | 4.7 | 2 |
| 294 | Could Switchbacks Originate in the Lower Solar Atmosphere? I. Formation Mechanisms of Switchbacks. <i>Astrophysical Journal</i> , 2021 , 911, 75 | 4.7 | 7 |
| 293 | Torsional oscillations within a magnetic pore in the solar photosphere. <i>Nature Astronomy</i> , 2021 , 5, 691-696 | 6.1 | 5 |
| 292 | Flute oscillations of cooling coronal loops with variable cross-section. <i>Astronomy and Astrophysics</i> , 2021 , 649, A36 | 5.1 | 1 |
| 291 | Magnetohydrodynamic Simulations of Spicular Jet Propagation Applied to Lower Solar Atmosphere Model. <i>Astrophysical Journal</i> , 2021 , 913, 19 | 4.7 | 2 |
| 290 | Could Switchbacks Originate in the Lower Solar Atmosphere? II. Propagation of Switchbacks in the Solar Corona. <i>Astrophysical Journal</i> , 2021 , 914, 8 | 4.7 | 3 |
| 289 | Significance of Cooling Effect on Comprehension of Kink Oscillations of Coronal Loops. <i>Frontiers in Astronomy and Space Sciences</i> , 2021 , 7, | 3.8 | 3 |
| 288 | Magnetoacoustic Waves in a Magnetic Slab Embedded in an Asymmetric Magnetic Environment. III. Applications to the Solar Atmosphere. <i>Astrophysical Journal</i> , 2021 , 906, 122 | 4.7 | 0 |
| 287 | Reliability of AI-generated magnetograms from only EUV images. <i>Nature Astronomy</i> , 2021 , 5, 108-110 | 12.1 | 5 |
| 286 | Formation of Two Homologous Transequatorial Loops. <i>Solar Physics</i> , 2020 , 295, 1 | 2.6 | |
| 285 | Magnetoacoustic Waves in a Magnetic Slab Embedded in an Asymmetric Magnetic Environment. II. Thin and Wide Slabs, Hot and Cold Plasmas. <i>Astrophysical Journal</i> , 2020 , 894, 123 | 4.7 | 1 |

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| 284 | Solar Flare Prediction Using Magnetic Field Diagnostics above the Photosphere. <i>Astrophysical Journal</i> , 2020 , 896, 119 | 4.7 | 7 |
| 283 | Magnetic Rayleigh-Taylor instability at a contact discontinuity with an oblique magnetic field. <i>Astronomy and Astrophysics</i> , 2020 , 634, A96 | 5.1 | |
| 282 | Standing MHD Waves in a Magnetic Slab Embedded in an Asymmetric Plasma Environment: Slow Surface Waves. <i>Astrophysical Journal</i> , 2020 , 890, 109 | 4.7 | 2 |
| 281 | Standing MHD Waves in a Magnetic Slab Embedded in an Asymmetric Magnetic Plasma Environment: Surface Waves. <i>Astrophysical Journal</i> , 2020 , 898, 19 | 4.7 | 1 |
| 280 | Signatures of Cross-sectional Width Modulation in Solar Spicules due to Field-aligned Flows. <i>Astrophysical Journal</i> , 2020 , 905, 72 | 4.7 | 4 |
| 279 | Formation of Chromospheric Spicules in Magnetic Bright Points: An Analytical Approach Using Cartesian Slab Geometry. <i>Astrophysical Journal</i> , 2020 , 905, 168 | 4.7 | 3 |
| 278 | Differences in Periodic Magnetic Helicity Injection Behavior between Flaring and Non-flaring Active Regions: Case Study. <i>Astrophysical Journal Letters</i> , 2020 , 897, L23 | 7.9 | 5 |
| 277 | Wave amplitude modulation in fan loops as observed by AIA/SDO. <i>Astronomy and Astrophysics</i> , 2020 , 638, A6 | 5.1 | 6 |
| 276 | On the partial eruption of a bifurcated solar filament structure. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020 , 500, 684-695 | 4.3 | 2 |
| 275 | Modelling 3D magnetic networks in a realistic solar atmosphere. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019 , 489, 28-35 | 4.3 | |
| 274 | Investigation of pre-flare dynamics using the weighted horizontal magnetic gradient method: From small to major flare classes. <i>Journal of Space Weather and Space Climate</i> , 2019 , 9, A6 | 2.5 | 9 |
| 273 | Automated Swirl Detection Algorithm (ASDA) and Its Application to Simulation and Observational Data. <i>Astrophysical Journal</i> , 2019 , 872, 22 | 4.7 | 12 |
| 272 | Degeneracy in bright-dark solitons of the Derivative Nonlinear Schrödinger equation. <i>Applied Mathematics Letters</i> , 2019 , 87, 64-72 | 3.5 | 5 |
| 271 | CME Arrival Time Prediction Using Convolutional Neural Network. <i>Astrophysical Journal</i> , 2019 , 881, 15 | 4.7 | 10 |
| 270 | Evidence of ubiquitous Alfvén pulses transporting energy from the photosphere to the upper chromosphere. <i>Nature Communications</i> , 2019 , 10, 3504 | 17.4 | 22 |
| 269 | The Effect of Cooling on Driven Kink Oscillations of Coronal Loops. <i>Frontiers in Astronomy and Space Sciences</i> , 2019 , 6, | 3.8 | 4 |
| 268 | How Many Twists Do Solar Coronal Jets Release?. <i>Frontiers in Astronomy and Space Sciences</i> , 2019 , 6, | 3.8 | 8 |
| 267 | Magnetohydrodynamic Waves in Multi-Layered Asymmetric Waveguides: Solar Magneto-Seismology Theory and Application. <i>Frontiers in Astronomy and Space Sciences</i> , 2019 , 6, | 3.8 | 5 |

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| 266 | Generation of solar spicules and subsequent atmospheric heating. <i>Science</i> , 2019 , 366, 890-894 | 33.3 | 52 |
| 265 | Spatially Resolved Signatures of Bidirectional Flows Observed in Inverted-Y Shaped Jets. <i>Astrophysical Journal</i> , 2019 , 883, 115 | 4.7 | 3 |
| 264 | Co-spatial velocity and magnetic swirls in the simulated solar photosphere. <i>Astronomy and Astrophysics</i> , 2019 , 632, A97 | 5.1 | 7 |
| 263 | An Analytical Model of the Kelvin-Helmholtz Instability of Transverse Coronal Loop Oscillations. <i>Astrophysical Journal</i> , 2019 , 870, 108 | 4.7 | 17 |
| 262 | Applying the Weighted Horizontal Magnetic Gradient Method to a Simulated Flaring Active Region. <i>Astrophysical Journal</i> , 2018 , 857, 103 | 4.7 | 4 |
| 261 | On Quasi-biennial Oscillations in Chromospheric Macrospicules and Their Potential Relation to the Global Solar Magnetic Field. <i>Astrophysical Journal</i> , 2018 , 857, 113 | 4.7 | 4 |
| 260 | Magnetic Shocks and Substructures Excited by Torsional Alfvén Wave Interactions in Merging Expanding Flux Tubes. <i>Astrophysical Journal</i> , 2018 , 857, 125 | 4.7 | 12 |
| 259 | Photospheric Observations of Surface and Body Modes in Solar Magnetic Pores. <i>Astrophysical Journal</i> , 2018 , 857, 28 | 4.7 | 46 |
| 258 | Evolution of Complex 3D Motions in Spicules. <i>Astrophysical Journal</i> , 2018 , 853, 61 | 4.7 | 6 |
| 257 | Fundamental (f) oscillations in a magnetically coupled solar interior-atmosphere system – An analytical approach. <i>Advances in Space Research</i> , 2018 , 61, 759-776 | 2.4 | 16 |
| 256 | A New Tool for CME Arrival Time Prediction using Machine Learning Algorithms: CAT-PUMA. <i>Astrophysical Journal</i> , 2018 , 855, 109 | 4.7 | 29 |
| 255 | Studies of Isolated and Non-isolated Photospheric Bright Points in an Active Region Observed by the New Vacuum Solar Telescope. <i>Astrophysical Journal</i> , 2018 , 856, 17 | 4.7 | 22 |
| 254 | Period Increase and Amplitude Distribution of Kink Oscillation of Coronal Loop. <i>Scientific Reports</i> , 2018 , 8, 4471 | 4.9 | 16 |
| 253 | An application of the weighted horizontal magnetic gradient to solar compact and eruptive events. <i>Advances in Space Research</i> , 2018 , 61, 595-602 | 2.4 | 3 |
| 252 | Quasi-biennial oscillations in the cross-correlation of properties of macrospicules. <i>Advances in Space Research</i> , 2018 , 61, 611-616 | 2.4 | 5 |
| 251 | Detailed analysis of dynamic evolution of three Active Regions at the photospheric level before flare and CME occurrence. <i>Advances in Space Research</i> , 2018 , 61, 673-682 | 2.4 | 4 |
| 250 | Varying driver velocity fields in photospheric MHD wave simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018 , 480, 2839-2845 | 4.3 | 3 |
| 249 | Dissipative instabilities in a partially ionised prominence plasma slab. <i>Astronomy and Astrophysics</i> , 2018 , 610, A56 | 5.1 | 3 |

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|-----|--|-----|----|
| 248 | Periodic Recurrence Patterns In X-Ray Solar Flare Appearances. <i>Astrophysical Journal</i> , 2018 , 859, 169 | 4.7 | 1 |
| 247 | MHD code using multi graphical processing units: SMAUG+. <i>Advances in Space Research</i> , 2018 , 61, 683-690 | 4.4 | 4 |
| 246 | Solar atmosphere wave dynamics generated by solar global oscillating eigenmodes. <i>Advances in Space Research</i> , 2018 , 61, 720-737 | 2.4 | 3 |
| 245 | Untwisting Jets Related to Magnetic Flux Cancellation. <i>Astrophysical Journal</i> , 2018 , 852, 10 | 4.7 | 9 |
| 244 | Magneto-acoustic Waves in a Magnetic Slab Embedded in an Asymmetric Magnetic Environment: The Effects of Asymmetry. <i>Astrophysical Journal</i> , 2018 , 853, 136 | 4.7 | 14 |
| 243 | Magnetoacoustic Waves and the Kelvin-Helmholtz Instability in a Steady Asymmetric Slab: I: The Effects of Varying Density Ratios. <i>Solar Physics</i> , 2018 , 293, 86 | 2.6 | 3 |
| 242 | Resonant damping of kink oscillations of thin cooling and expanding coronal magnetic loops. <i>Astronomy and Astrophysics</i> , 2018 , 619, A173 | 5.1 | 9 |
| 241 | Propagation of Leaky MHD Waves at Discontinuities with Tilted Magnetic Field. <i>Solar Physics</i> , 2018 , 293, 139 | 2.6 | 3 |
| 240 | Propagating Spectropolarimetric Disturbances in a Large Sunspot. <i>Astrophysical Journal</i> , 2018 , 869, 110 | 4.7 | 17 |
| 239 | Propagation of leaky surface waves on contact magnetohydrodynamic discontinuities in incompressible plasmas. <i>Physics of Plasmas</i> , 2018 , 25, 122107 | 2.1 | 2 |
| 238 | Propagation of Surface Magnetohydrodynamic Waves in Asymmetric Multilayered Plasma. <i>Astrophysical Journal</i> , 2018 , 868, 128 | 4.7 | 3 |
| 237 | Buoyancy-driven Magnetohydrodynamic Waves in a Partially Ionized Plasma. <i>Astrophysical Journal</i> , 2018 , 866, 114 | 4.7 | |
| 236 | Solar Magnetoseismology with Magnetoacoustic Surface Waves in Asymmetric Magnetic Slab Waveguides. <i>Astrophysical Journal</i> , 2018 , 855, 90 | 4.7 | 5 |
| 235 | Observing Kelvin-Helmholtz instability in solar blowout jet. <i>Scientific Reports</i> , 2018 , 8, 8136 | 4.9 | 21 |
| 234 | SYSTEMATIC VARIATIONS OF MACROSPICULE PROPERTIES OBSERVED BYSDO/AIA OVER HALF A DECADE. <i>Astrophysical Journal</i> , 2017 , 835, 47 | 4.7 | 11 |
| 233 | The Atlanto-Pacific multidecade oscillation and its imprint on the global temperature record. <i>Climate Dynamics</i> , 2017 , 48, 1883-1891 | 4.2 | 6 |
| 232 | Dynamic Behavior of Spicules Inferred from Perpendicular Velocity Components. <i>Astrophysical Journal</i> , 2017 , 840, 96 | 4.7 | 8 |
| 231 | Polarized Kink Waves in Magnetic Elements: Evidence for Chromospheric Helical Waves. <i>Astrophysical Journal</i> , 2017 , 840, 19 | 4.7 | 14 |

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| 230 | Kink oscillations of cooling coronal loops with variable cross-section. <i>Astronomy and Astrophysics</i> , 2017 , 602, A50 | 5.1 | 12 |
| 229 | An Inside Look at Sunspot Oscillations with Higher Azimuthal Wavenumbers. <i>Astrophysical Journal</i> , 2017 , 842, 59 | 4.7 | 27 |
| 228 | Simple Statistical Probabilistic Forecasts of the Winter NAO. <i>Weather and Forecasting</i> , 2017 , 32, 1585-1601 | 4.1 | 25 |
| 227 | Active Longitude and Coronal Mass Ejection Occurrences. <i>Astrophysical Journal</i> , 2017 , 838, 18 | 4.7 | 14 |
| 226 | Sunspot Light Walls Suppressed by Nearby Brightenings. <i>Astrophysical Journal Letters</i> , 2017 , 843, L15 | 7.9 | 11 |
| 225 | The Frequency-dependent Damping of Slow Magnetoacoustic Waves in a Sunspot Umbral Atmosphere. <i>Astrophysical Journal</i> , 2017 , 847, 5 | 4.7 | 17 |
| 224 | IRISBurst Spectra Co-spatial to a Quiet-Sun Ellerman-like Brightening. <i>Astrophysical Journal</i> , 2017 , 845, 16 | 4.7 | 22 |
| 223 | Effects of Steady Flow on Magnetoacoustic-Gravity Surface Waves: I. The Weak Field Case. <i>Solar Physics</i> , 2017 , 292, 26 | 2.6 | |
| 222 | Magnetohydrodynamic Waves in an Asymmetric Magnetic Slab. <i>Solar Physics</i> , 2017 , 292, 35 | 2.6 | 16 |
| 221 | Drivers and potential predictability of summer time North Atlantic polar front jet variability. <i>Climate Dynamics</i> , 2017 , 48, 3869-3887 | 4.2 | 20 |
| 220 | Predicting the Loci of Solar Eruptions. <i>Proceedings of the International Astronomical Union</i> , 2017 , 13, 201-204 | 2.0 | |
| 219 | Spatial Inhomogeneity in Solar Faculae. <i>Proceedings of the International Astronomical Union</i> , 2017 , 13, 17-19 | 0.1 | |
| 218 | On the Evolution of Pre-Flare Patterns of a 3-Dimensional Model of AR 11429. <i>Proceedings of the International Astronomical Union</i> , 2017 , 13, 294-297 | 0.1 | 1 |
| 217 | SYSTEMATIC VARIATIONS OF MACROSPICULE PROPERTIES OBSERVED BYSDO/AIA OVER HALF A DECADE. <i>Astrophysical Journal</i> , 2017 , 835, 47 | 4.7 | 1 |
| 216 | BUOYANCY-DRIVEN MAGNETOHYDRODYNAMIC WAVES. <i>Astrophysical Journal</i> , 2016 , 828, 88 | 4.7 | 18 |
| 215 | Contacting ZnO Individual Crystal Facets by Direct Write Lithography. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 23891-8 | 9.5 | 2 |
| 214 | On the relationship between magnetic cancellation and UV burst formation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016 , 463, 2190-2201 | 4.3 | 21 |
| 213 | MAGNETO-ACOUSTIC WAVES IN A GRAVITATIONALLY STRATIFIED MAGNETIZED PLASMA: EIGEN-SOLUTIONS AND THEIR APPLICATIONS TO THE SOLAR ATMOSPHERE. <i>Astrophysical Journal</i> , 2016 , 822, 116 | 4.7 | 22 |

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| 212 | Linear MHD Wave Propagation in Time-Dependent Flux Tube. <i>Solar Physics</i> , 2016 , 291, 175-185 | 2.6 | |
| 211 | ON THE PROPERTIES OF SLOW MHD SAUSAGE WAVES WITHIN SMALL-SCALE PHOTOSPHERIC MAGNETIC STRUCTURES. <i>Astrophysical Journal</i> , 2016 , 817, 44 | 4.7 | 41 |
| 210 | Propagation of Long-Wavelength Nonlinear Slow Sausage Waves in Stratified Magnetic Flux Tubes. <i>Solar Physics</i> , 2016 , 291, 1369-1384 | 2.6 | 16 |
| 209 | The European Solar Telescope (EST) 2016 , | | 12 |
| 208 | ENHANCEMENT OF A SUNSPOT LIGHT WALL WITH EXTERNAL DISTURBANCES. <i>Astrophysical Journal Letters</i> , 2016 , 833, L18 | 7.9 | 22 |
| 207 | ON THE MAGNETIC AND ENERGY CHARACTERISTICS OF RECURRENT HOMOLOGOUS JETS FROM AN EMERGING FLUX. <i>Astrophysical Journal</i> , 2016 , 833, 150 | 4.7 | 22 |
| 206 | ON THE STATE OF A SOLAR ACTIVE REGION BEFORE FLARES AND CMES. <i>Astrophysical Journal</i> , 2016 , 823, 153 | 4.7 | 11 |
| 205 | MAGNETOHYDRODYNAMIC SEISMOLOGY OF A CORONAL LOOP SYSTEM BY THE FIRST TWO MODES OF STANDING KINK WAVES. <i>Astrophysical Journal</i> , 2015 , 799, 151 | 4.7 | 29 |
| 204 | SMALL-SCALE STRUCTURING OF ELLERMAN BOMBS AT THE SOLAR LIMB. <i>Astrophysical Journal</i> , 2015 , 798, 19 | 4.7 | 48 |
| 203 | Drivers of North Atlantic Polar Front jet stream variability. <i>International Journal of Climatology</i> , 2015 , 35, 1697-1720 | 3.5 | 64 |
| 202 | GENERATION OF MAGNETOHYDRODYNAMIC WAVES IN LOW SOLAR ATMOSPHERIC FLUX TUBES BY PHOTOSPHERIC MOTIONS. <i>Astrophysical Journal</i> , 2015 , 799, 6 | 4.7 | 37 |
| 201 | WAVE DAMPING OBSERVED IN UPWARDLY PROPAGATING SAUSAGE-MODE OSCILLATIONS CONTAINED WITHIN A MAGNETIC PORE. <i>Astrophysical Journal</i> , 2015 , 806, 132 | 4.7 | 60 |
| 200 | THE DYNAMICS OF RAPID REDSHIFTED AND BLUESHIFTED EXCURSIONS IN THE SOLAR HEINE. <i>Astrophysical Journal</i> , 2015 , 802, 26 | 4.7 | 41 |
| 199 | A Fast MHD Code for Gravitationally Stratified Media using Graphical Processing Units: SMAUG. <i>Journal of Astrophysics and Astronomy</i> , 2015 , 36, 197-223 | 1.4 | 6 |
| 198 | Morphological and electrical properties of self-assembled iron silicide nanoparticles on Si(0 0 1) and Si(1 1 1) substrates. <i>Applied Surface Science</i> , 2015 , 357, 573-582 | 6.7 | 0 |
| 197 | ON THE STATISTICS OF MACROSPICULES. <i>Astrophysical Journal</i> , 2015 , 808, 135 | 4.7 | 14 |
| 196 | Photospheric logarithmic velocity spirals as MHD wave generation mechanisms. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015 , 449, 1679-1685 | 4.3 | 15 |
| 195 | SEMICIRCULAR-LIKE SECONDARY FLARE RIBBONS ASSOCIATED WITH A FAILED ERUPTION. <i>Astrophysical Journal</i> , 2015 , 809, 45 | 4.7 | 7 |

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| 194 | AXISYMMETRIC MODES IN MAGNETIC FLUX TUBES WITH INTERNAL AND EXTERNAL MAGNETIC TWIST. <i>Astrophysical Journal</i> , 2015 , 810, 53 | 4.7 | 14 |
| 193 | ON FLARE PREDICTABILITY BASED ON SUNSPOT GROUP EVOLUTION. <i>Astrophysical Journal Letters</i> , 2015 , 802, L21 | 7.9 | 24 |
| 192 | Observations and mode identification of sausage waves in a magnetic pore. <i>Astronomy and Astrophysics</i> , 2015 , 579, A73 | 5.1 | 36 |
| 191 | Non-homogeneous Behaviour of the Spatial Distribution of Macrospicules. <i>Journal of Astrophysics and Astronomy</i> , 2015 , 36, 103-109 | 1.4 | 6 |
| 190 | Enhanced pressure response in ZnO nanorods due to spontaneous polarization charge 2015 , | | 2 |
| 189 | Band-gap deformation potential and elasticity limit of semiconductor free-standing nanorods characterized in situ by scanning electron microscope-cathodoluminescence nanospectroscopy. <i>ACS Nano</i> , 2015 , 9, 2989-3001 | 16.7 | 18 |
| 188 | Three-dimensional SOLAR RADIATION MODEL (SORAM) and its application to 3-D urban planning. <i>Solar Energy</i> , 2014 , 101, 63-73 | 6.8 | 37 |
| 187 | Signature of the North Atlantic Oscillation on British solar radiation availability and PV potential: The winter zonal seesaw. <i>Solar Energy</i> , 2014 , 107, 210-219 | 6.8 | 13 |
| 186 | Resonant Damping of Propagating Kink Waves in Time-Dependent Magnetic Flux Tube. <i>Solar Physics</i> , 2014 , 289, 4105-4115 | 2.6 | 4 |
| 185 | Few-cycle optical rogue waves: complex modified Korteweg-de Vries equation. <i>Physical Review E</i> , 2014 , 89, 062917 | 2.4 | 95 |
| 184 | LONGITUDINAL MAGNETOHYDRODYNAMICS OSCILLATIONS IN DISSIPATIVE, COOLING CORONAL LOOPS. <i>Astrophysical Journal</i> , 2014 , 786, 36 | 4.7 | 13 |
| 183 | Standing sausage waves in photospheric magnetic waveguides. <i>Astronomy and Astrophysics</i> , 2014 , 563, A12 | 5.1 | 24 |
| 182 | Morphology and crystallinity control of wet chemically grown ZnO nanorods. <i>Turkish Journal of Physics</i> , 2014 , 38, 391-398 | 1.6 | 2 |
| 181 | THE GENERATION AND DAMPING OF PROPAGATING MHD KINK WAVES IN THE SOLAR ATMOSPHERE. <i>Astrophysical Journal</i> , 2014 , 784, 29 | 4.7 | 38 |
| 180 | State Transition Induced by Self-Steepening and Self Phase-Modulation. <i>Chinese Physics Letters</i> , 2014 , 31, 010502 | 1.8 | 11 |
| 179 | MAGNETOHYDROSTATIC EQUILIBRIUM. II. THREE-DIMENSIONAL MULTIPLE OPEN MAGNETIC FLUX TUBES IN THE STRATIFIED SOLAR ATMOSPHERE. <i>Astrophysical Journal</i> , 2014 , 789, 42 | 4.7 | 8 |
| 178 | Coronal wave associated with a non-radial filament eruption observed by the Solar Dynamics Observatory. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014 , 444, 1119-1124 | 4.3 | 3 |
| 177 | THE DETECTION OF UPWARDLY PROPAGATING WAVES CHANNELING ENERGY FROM THE CHROMOSPHERE TO THE LOW CORONA. <i>Astrophysical Journal</i> , 2014 , 791, 61 | 4.7 | 23 |

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| 176 | Effects of Stratification and Flows on P 1/P 2 Ratios and Anti-node Shifts Within Closed Loop Structures. <i>Solar Physics</i> , 2014 , 289, 167-182 | 2.6 | 10 |
| 175 | Linear MHD Wave Propagation in Time-Dependent Flux Tube. <i>Solar Physics</i> , 2014 , 289, 899-909 | 2.6 | 5 |
| 174 | Linear MHD Wave Propagation in Time-Dependent Flux Tube. <i>Solar Physics</i> , 2014 , 289, 1193-1202 | 2.6 | 3 |
| 173 | Ray-Optics Modelling of Rectangular and Cylindrical 2-Layer Solar Concentrators. <i>Journal of Lightwave Technology</i> , 2013 , 31, 1033-1044 | 4 | 18 |
| 172 | OBSERVATIONAL EVIDENCE OF SAUSAGE-PINCH INSTABILITY IN SOLAR CORONA BY SDO /AIA. <i>Astrophysical Journal Letters</i> , 2013 , 765, L42 | 7.9 | 14 |
| 171 | Statistical Analysis of Small Ellerman Bomb Events. <i>Solar Physics</i> , 2013 , 283, 307-323 | 2.6 | 32 |
| 170 | ELLERMAN BOMBSEVIDENCE FOR MAGNETIC RECONNECTION IN THE LOWER SOLAR ATMOSPHERE. <i>Astrophysical Journal</i> , 2013 , 779, 125 | 4.7 | 59 |
| 169 | Alfvén Waves in the Solar Atmosphere. <i>Space Science Reviews</i> , 2013 , 175, 1-27 | 7.5 | 111 |
| 168 | CHARACTERISTICS OF TRANSVERSE WAVES IN CHROMOSPHERIC MOTTLES. <i>Astrophysical Journal</i> , 2013 , 779, 82 | 4.7 | 30 |
| 167 | Effect of Variable Background on an Oscillating Hot Coronal Loop. <i>Solar Physics</i> , 2013 , 283, 413-428 | 2.6 | 15 |
| 166 | EVIDENCE FOR THE PHOTOSPHERIC EXCITATION OF INCOMPRESSIBLE CHROMOSPHERIC WAVES. <i>Astrophysical Journal</i> , 2013 , 768, 17 | 4.7 | 54 |
| 165 | Photospheric high-frequency acoustic power excess in sunspot umbra: signature of magneto-acoustic modes. <i>Annales Geophysicae</i> , 2013 , 31, 1357-1364 | 2 | 4 |
| 164 | Magnetohydrostatic equilibrium II. Three-dimensional open magnetic flux tube in the stratified solar atmosphere. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013 , 435, 689-697 | 4.3 | 21 |
| 163 | A STATISTICAL STUDY OF TRANSVERSE OSCILLATIONS IN A QUIESCENT PROMINENCE. <i>Astrophysical Journal Letters</i> , 2013 , 779, L16 | 7.9 | 42 |
| 162 | Effect of stratification on the frequency of bounded Rossby modes over a non-flat bottom. <i>Geophysical and Astrophysical Fluid Dynamics</i> , 2013 , 107, 541-563 | 1.4 | |
| 161 | Effect of nanosphere monolayer on the morphology of ZnO nanowires grown by hydrothermal method. <i>Materials Letters</i> , 2012 , 79, 242-244 | 3.3 | 5 |
| 160 | Mechanical characterization of epitaxially grown zinc oxide nanorods. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2012 , 44, 1050-1053 | 3 | 1 |
| 159 | Multiwavelength Observations of Supersonic Plasma Blob Triggered by Reconnection-Generated Velocity Pulse in AR10808. <i>Solar Physics</i> , 2012 , 281, 729-747 | 2.6 | 5 |

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|-----|--|------|-----|
| 158 | In-situ mechanical characterization of wurtzite InAs nanowires. <i>Solid State Communications</i> , 2012 , 152, 1829-1833 | 1.6 | 8 |
| 157 | Observations of ubiquitous compressive waves in the Sun's chromosphere. <i>Nature Communications</i> , 2012 , 3, 1315 | 17.4 | 128 |
| 156 | LONGITUDINAL OSCILLATIONS IN DENSITY STRATIFIED AND EXPANDING SOLAR WAVEGUIDES. <i>Astrophysical Journal</i> , 2012 , 748, 110 | 4.7 | 23 |
| 155 | DETERMINATION OF SUB-RESOLUTION STRUCTURE OF A JET BY SOLAR MAGNETOSEISMOLOGY. <i>Astrophysical Journal</i> , 2012 , 744, 5 | 4.7 | 25 |
| 154 | Observations of quasi-periodic phenomena associated with a large blowout solar jet. <i>Astronomy and Astrophysics</i> , 2012 , 542, A70 | 5.1 | 24 |
| 153 | TRANSVERSE OSCILLATIONS IN CHROMOSPHERIC MOTTLES. <i>Astrophysical Journal</i> , 2012 , 750, 51 | 4.7 | 52 |
| 152 | THREE-DIMENSIONAL SIMULATIONS OF MAGNETOHYDRODYNAMIC WAVES IN MAGNETIZED SOLAR ATMOSPHERE. <i>Astrophysical Journal</i> , 2012 , 755, 18 | 4.7 | 48 |
| 151 | Magnetic tornadoes as energy channels into the solar corona. <i>Nature</i> , 2012 , 486, 505-8 | 50.4 | 230 |
| 150 | 2012 , | | 2 |
| 149 | GENERATION OF QUASI-PERIODIC WAVES AND FLOWS IN THE SOLAR ATMOSPHERE BY OSCILLATORY RECONNECTION. <i>Astrophysical Journal</i> , 2012 , 749, 30 | 4.7 | 46 |
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