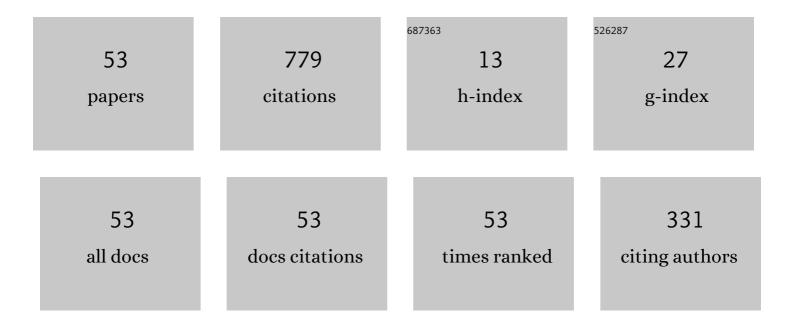
A H Khater

List of Publications by Year in descending order

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ΔΗ ΚΗΛΤΕΡ

| # | Article | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Solitary and freak waves in a dusty plasma with negative ions. Physics of Plasmas, 2011, 18, . | 1.9 | 33 |
| 2 | Two-dimensional force-free magnetic fields described by some nonlinear equations. Physics of Plasmas, 2010, 17, 122902. | 1.9 | 10 |
| 3 | Exact solutions for axisymmetric nonlinear magnetohydrodynamic equilibria of aligned magnetic field and plasma flow with applications to astrophysics and plasma confinement devices. Physics of Plasmas, 2009, 16, . | 1.9 | 9 |
| 4 | Exact equilibria for nonlinear cylindrical ideal magnetohydrodynamic plasma with steady incompressible flow and arbitrary cross sectional shape. Physics of Plasmas, 2009, 16, 122506. | 1.9 | 9 |
| 5 | Solving integral equations with logarithmic kernels by Chebyshev polynomials. Numerical Algorithms, 2008, 47, 81-93. | 1.9 | 4 |
| 6 | Applications of elliptic functions to ion-acoustic plasma waves. European Physical Journal D, 2008, 50, 177-184. | 1.3 | 11 |
| 7 | Legendre solutions of integral equations with logarithmic kernels. International Journal of Computer Mathematics, 2008, 85, 53-63. | 1.8 | 3 |
| 8 | Nonlinear periodic solutions for isothermal magnetostatic atmospheres. Physics of Plasmas, 2008, 15, 122903. | 1.9 | 4 |
| 9 | Numerical solutions of some nonlinear evolution equations by Chebyshev spectral collocation methods. International Journal of Computer Mathematics, 2007, 84, 305-316. | 1.8 | 13 |
| 10 | Numerical solutions of integral and integro-differential equations using Legendre polynomials. Numerical Algorithms, 2007, 46, 195-218. | 1.9 | 20 |
| 11 | Generation of sunspot and polar faculae butterflies using bipolar and quadripolar seed fields. Proceedings of the International Astronomical Union, 2006, 2, 9. | 0.0 | 0 |
| 12 | Exact solutions for two-dimensional nonlinear force-free magnetic fields. Proceedings of the International Astronomical Union, 2006, 2, 108. | 0.0 | 2 |
| 13 | Kelvin-Helmholtz instability in magnetohydrodynamic flows. Proceedings of the International Astronomical Union, 2006, 2, 49. | 0.0 | 0 |
| 14 | Large Nonlinear periodic solutions for isothermal magnetostatic atmospheres. Proceedings of the International Astronomical Union, 2006, 2, 89. | 0.0 | 0 |
| 15 | On general transformations and variational principles of three-dimensional incompressible gravitating flows in ideal MHD. Proceedings of the International Astronomical Union, 2006, 2, 136. | 0.0 | 0 |
| 16 | Nonlinear periodic solutions for isothermal magnetostatic atmospheres. Proceedings of the International Astronomical Union, 2006, 2, 138. | 0.0 | 0 |
| 17 | On general transformations and variational Principles of an ideal three-dimensional compressible. Proceedings of the International Astronomical Union, 2006, 2, 304. | 0.0 | 0 |
| 18 | Exact solutions to the Grad-Shafranov equation for magnetically confined plasmas. Proceedings of the International Astronomical Union, 2006, 2, 307. | 0.0 | 1 |

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| # | Article | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Kelvin-Helmholtz instability in MHD flows. Proceedings of the International Astronomical Union, 2006, 2, 313. | 0.0 | 1 |
| 20 | Potential symmetry and invariant solutions of Fokker-Planck equation in cylindrical coordinates related to magnetic field diffusion in magnetohydrodynamics including the Hall current. European Physical Journal B, 2006, 50, 17-21. | 1.5 | 4 |
| 21 | Variational method for the nonlinear dynamics of an elliptic magnetic stagnation line. European Physical Journal D, 2006, 39, 237-245. | 1.3 | 120 |
| 22 | Conservation Laws and Exact Solutions for some Nonlinear Partial Differential Equations. International Journal of Theoretical Physics, 2006, 45, 589-616. | 1.2 | 2 |
| 23 | New Representation of the Self-Duality and Exact Solutions for Yang–Mills Equations. International Journal of Theoretical Physics, 2006, 45, 1021-1028. | 1.2 | 1 |
| 24 | Jacobi Elliptic Function Solutions of Three Coupled Nonlinear Physical Equations. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2005, 60, 237-244. | 1.5 | 5 |
| 25 | Linear and nonlinear stability analysis for two-dimensional ideal magnetohydrodynamics with incompressible flows. Physics of Plasmas, 2005, 12, 012316. | 1.9 | 9 |
| 26 | Equilibrium properties and exact solutions for two-dimensional nonlinear force-free magnetic fields with mass flow. Physics of Plasmas, 2005, 12, 052902. | 1.9 | 11 |
| 27 | Exact Solutions with Jacobi Elliptic Functions of Two Nonlinear Models for Ion-Acoustic Plasma Waves. Journal of the Physical Society of Japan, 2005, 74, 1431-1435. | 1.6 | 26 |
| 28 | Travelling And Periodic Wave Solutions Of Some Nonlinear Wave Equations. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2004, 59, 389-396. | 1.5 | 17 |
| 29 | Exact solutions for axisymmetric ideal magnetized plasma steady state with incompressible poloidal flow. Physics of Plasmas, 2004, 11, 3015-3022. | 1.9 | 9 |
| 30 | Self-Dual Solutions for SU(2) and SU(3) Gauge Fields on Euclidean Space. International Journal of Theoretical Physics, 2004, 43, 151-159. | 1.2 | 9 |
| 31 | On the Similarity Solutions of the Inhomogeneous Nonlinear Diffusion Equation via Symmetry Method. Journal of the Physical Society of Japan, 2004, 73, 42-48. | 1.6 | 4 |
| 32 | Nonlinear Dispersive Instabilities in Kelvin–Helmholtz Magnetohydrodynamic Flows. Physica Scripta, 2003, 67, 340-349. | 2.5 | 85 |
| 33 | Variational principles and Lyapunov stability analysis for compressible cylindrical plasma flows with arbitrary cross-section. Plasma Physics and Controlled Fusion, 2003, 45, 265-274. | 2.1 | 8 |
| 34 | Nonlinear stability of axisymmetric ideal magnetohydrodynamic flows. Journal of Plasma Physics, 2003, 69, 339-362. | 2.1 | 4 |
| 35 | On the Similarity Solutions of the Calogero–Degasperis–Fokas Modified KdV Equation via Symmetry Method. Journal of the Physical Society of Japan, 2003, 72, 2523-2529. | 1.6 | 9 |
| 36 | Exact Solutions for Self-Dual SU(2) and SU(3) Yang–Mills Fields. International Journal of Theoretical Physics, 2002, 41, 409-419. | 1.2 | 6 |

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| # | Article | IF | CITATIONS |
|----|---|-----|-----------|
| 37 | Nonlinear Dispersive Rayleigh–Taylor Instabilities in Magnetohydrodynamic Flows. Physica Scripta, 2001, 64, 533-547. | 2.5 | 87 |
| 38 | Rational reflection coefficients in inverse scattering for a Dirac system. Inverse Problems, 1999, 15, 241-251. | 2.0 | 2 |
| 39 | BÃæklund transformations, a simple transformation and exact solutions for dust-acoustic solitary waves in dusty plasma consisting of cold dust particles and two-temperature isothermal ions. Physics of Plasmas, 1999, 6, 4542-4547. | 1.9 | 23 |
| 40 | Painlevé Analysis and Nonlinear Periodic Solutions for Isothermal Magnetostatic Atmospheres. Solar Physics, 1998, 178, 285-315. | 2.5 | 7 |
| 41 | BÃæklund transformations: exact solutions for the KdV and the Calogero-Degasperis-Fokas mKdV equations. Mathematical Methods in the Applied Sciences, 1998, 21, 719-731. | 2.3 | 30 |
| 42 | BÃ e klund transformations and Painlevé analysis: Exact soliton solutions for the unstable nonlinear Schrödinger equation modeling electron beam plasma. Physics of Plasmas, 1998, 5, 395-400. | 1.9 | 24 |
| 43 | B̾klund Transformations and Exact Solutions for Alfv̩n Solitons in a Relativistic Electron–Positron Plasma. Physica Scripta, 1998, 58, 545-548. | 2.5 | 76 |
| 44 | BÃ e klund transformations and Painlevé analysis: Exact solutions for the nonlinear isothermal magnetostatic atmospheres. Physics of Plasmas, 1997, 4, 2853-2863. | 1.9 | 15 |
| 45 | B̾klund transformations and Painlev̩ analysis: Exact soliton solutions for strongly rarefied relativistic cold plasma. Physics of Plasmas, 1997, 4, 3910-3922. | 1.9 | 8 |
| 46 | On the stationary vibrations of a rectangular plate subjected to stress prescribed partially at the circumference. International Journal of Mathematics and Mathematical Sciences, 1991, 14, 581-586. | 0.7 | 0 |
| 47 | The Painlevé property and coordinate transformations. Societa Italiana Di Fisica Nuovo Cimento B-General Physics, Relativity Astronomy and Mathematical Physics and Methods, 1989, 104, 123-129. | 0.2 | 12 |
| 48 | Rotating ideal magnetohydrodynamic flow in General relativity. Astrophysics and Space Science, 1989, 152, 215-222. | 1.4 | 2 |
| 49 | Analytical solutions for some nonlinear two-dimensional magnetostatic equilibria. Astrophysics and Space Science, 1989, 162, 151-157. | 1.4 | 9 |
| 50 | Analytical solutions of the rayleigh flow problem for a highly rarefied gas of a homogeneous system of charged particles. Astrophysics and Space Science, 1988, 146, 157-162. | 1.4 | 10 |
| 51 | Two-dimensional magnetohydrodynamic equilibria. Astrophysics and Space Science, 1988, 149, 217-223. | 1.4 | 10 |
| 52 | A class of semi-analytical solutions for a rotating toroidal plasma. Astrophysics and Space Science, 1988, 145, 277-286. | 1.4 | 3 |
| 53 | Effects of rotation on Rayleigh-Taylor instabilities of an accelerating, compressible, perfectly conducting plane layer. Astrophysics and Space Science, 1984, 106, 245-255. | 1.4 | 12 |