# Alagacone Sri Ranga

List of Publications by Year
in descending order

| | |
|---|---|
| 71 papers | 497 citations |

687363
13 h-index

839539
18 g-index

| | |
|---|---|
| 73 all docs | 73 docs citations |

73 times ranked

81 citing authors

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 1 | A modified least squares method: Approximations on the unit circle and on $(-1,1)$. Journal of Computational and Applied Mathematics, 2022, 410, 114168. | 2.0 | 1 |
| 2 | A class of Sobolev orthogonal polynomials on the unit circle and associated continuous dual Hahn polynomials: Bounds, asymptotics and zeros. Journal of Approximation Theory, 2021, 268, 105604. | 0.8 | 3 |
| 3 | Quadrature rules from a RII type recurrence relation and associated quadrature rules on the unit circle. Numerical Algorithms, 2020, 83, 1029-1061. | 1.9 | 3 |
| 4 | On an Energy-Dependent Quantum System with Solutions in Terms of a Class of Hypergeometric Para-Orthogonal Polynomials on the Unit Circle. Mathematics, 2020, 8, 1161. | 2.2 | 1 |
| 5 | Complementary Romanovski–Routh Polynomials, Orthogonal Polynomials on the Unit Circle, and Extended Coulomb Wave Functions. Results in Mathematics, 2020, 75, 1. | 0.8 | 2 |
| 6 | Extended Relativistic Toda Lattice, L-Orthogonal Polynomials and Associated Lax Pair. Acta Applicandae Mathematicae, 2019, 164, 137-154. | 1.0 | 2 |
| 7 | Complementary Romanovski-Routh polynomials: From orthogonal polynomials on the unit circle to Coulomb wave functions. Proceedings of the American Mathematical Society, 2019, 147, 2625-2640. | 0.8 | 5 |
| 8 | R type recurrence, generalized eigenvalue problem and orthogonal polynomials on the unit circle. Linear Algebra and Its Applications, 2019, 562, 63-90. | 0.9 | 10 |
| 9 | Orthogonal polynomials on the unit circle: Verblunsky coefficients with some restrictions imposed on a pair of related real sequences. Computational and Applied Mathematics, 2018, 37, 1142-1161. | 1.3 | 2 |
| 10 | Christoffel formula for kernel polynomials on the unit circle. Journal of Approximation Theory, 2018, 235, 46-73. | 0.8 | 3 |
| 11 | Sobolev Orthogonal Polynomials on the Unit Circle and Coherent Pairs of Measures of the Second Kind. Results in Mathematics, 2017, 71, 1127-1149. | 0.8 | 7 |
| 12 | Orthogonal polynomials on the unit circle satisfying a second-order differential equation with varying polynomial coefficients. Integral Transforms and Special Functions, 2017, 28, 39-55. | 1.2 | 1 |
| 13 | Verblunsky coefficients related with periodic real sequences and associated measures on the unit circle. Journal of Mathematical Analysis and Applications, 2017, 445, 719-745. | 1.0 | 0 |
| 14 | Extreme zeros in a sequence of para-orthogonal polynomials and bounds for the support of the measure. Mathematics of Computation, 2017, 87, 261-288. | 2.1 | 7 |
| 15 | Orthogonal polynomials with respect to a family of Sobolev inner products on the unit circle. Proceedings of the American Mathematical Society, 2016, 144, 1129-1143. | 0.8 | 7 |
| 16 | Para-orthogonal polynomials on the unit circle satisfying three term recurrence formulas. Applied Numerical Mathematics, 2016, 109, 19-40. | 2.1 | 10 |
| 17 | A class of orthogonal functions given by a three term recurrence formula. Mathematics of Computation, 2015, 85, 1837-1859. | 2.1 | 11 |
| 18 | Para-orthogonal polynomials from constant Verblunsky coefficients. Journal of Mathematical Analysis and Applications, 2015, 426, 1040-1060. | 1.0 | 2 |

| # | ARTICLE | IF | CITATIONS |
|---|---------|----|-----------|
| 19 | Explicit formulas for OPUC and POPUC associated with measures which are simple modifications of the Lebesgue measure. Applied Mathematics and Computation, 2015, 271, 820-831. | 2.2 | 4 |
| 20 | Sieved para-orthogonal polynomials on the unit circle. Applied Mathematics and Computation, 2014, 244, 335-343. | 2.2 | 2 |
| 21 | A Favard type theorem for orthogonal polynomials on the unit circle from a three term recurrence formula. Journal of Approximation Theory, 2014, 184, 146-162. | 0.8 | 21 |
| 22 | Orthogonal polynomials on the unit circle and chain sequences. Journal of Approximation Theory, 2013, 173, 14-32. | 0.8 | 28 |
| 23 | A class of hypergeometric polynomials with zeros on the unit circle: Extremal and orthogonal properties and quadrature formulas. Applied Numerical Mathematics, 2013, 65, 41-52. | 2.1 | 9 |
| 24 | Zeros of a family of hypergeometric paraâ€orthogonal polynomials on the unit circle. Mathematische Nachrichten, 2013, 286, 1778-1791. | 0.8 | 26 |
| 25 | Basic hypergeometric polynomials with zeros on the unit circle. Applied Mathematics and Computation, 2013, 225, 622-630. | 2.2 | 2 |
| 26 | SzegÅ' and para-orthogonal polynomials on the real line: Zeros and canonical spectral transformations. Mathematics of Computation, 2012, 81, 2229-2249. | 2.1 | 0 |
| 27 | Basic hypergeometric functions and orthogonal Laurent polynomials. Proceedings of the American Mathematical Society, 2012, 140, 2075-2089. | 0.8 | 11 |
| 28 | On a moment problem associated with Chebyshev polynomials. Applied Mathematics and Computation, 2012, 218, 9571-9574. | 2.2 | 2 |
| 29 | A Characterization of L-orthogonal Polynomials fromÂThree Term Recurrence Relations. Acta Applicandae Mathematicae, 2011, 113, 1-16. | 1.0 | 0 |
| 30 | Kernel polynomials from L-orthogonal polynomials. Applied Numerical Mathematics, 2011, 61, 651-665. | 2.1 | 1 |
| 31 | Generating Birth and Death Processes. Stochastic Analysis and Applications, 2011, 29, 185-196. | 1.5 | 0 |
| 32 | SzegÅ' polynomials from hypergeometric functions. Proceedings of the American Mathematical Society, 2010, 138, 4259-4270. | 0.8 | 29 |
| 33 | SzegÅ' type polynomials and para-orthogonal polynomials. Journal of Mathematical Analysis and Applications, 2010, 370, 30-41. | 1.0 | 5 |
| 34 | L-orthogonal polynomials associated with related measures. Applied Numerical Mathematics, 2010, 60, 1041-1052. | 2.1 | 0 |
| 35 | Zeros of Gegenbauer-Sobolev Orthogonal Polynomials: Beyond Coherent Pairs. Acta Applicandae Mathematicae, 2009, 105, 65-82. | 1.0 | 6 |
| 36 | Asymptotics for Gegenbauerâ€"Sobolev orthogonal polynomials associated with non-coherent pairs of measures. Asymptotic Analysis, 2008, 60, 1-14. | 0.5 | 5 |

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|---|---------|-----|-----------|
| 37 | On the denominator values and barycentric weights of rational interpolants. Journal of Computational and Applied Mathematics, 2007, 200, 576-590. | 2.0 | 5 |
| 38 | Another connection between orthogonal polynomials and L-orthogonal polynomials. Journal of Mathematical Analysis and Applications, 2007, 330, 114-132. | 1.0 | 2 |
| 39 | Asymptotics for Polynomials Satisfying a Certain Twin Asymptotic Periodic Recurrence Relation: Unbounded Cases. Methods and Applications of Analysis, 2007, 14, 29-44. | 0.5 | 0 |
| 40 | Modified Chebyshev algorithm: some applications. Numerical Algorithms, 2006, 43, 215-233. | 1.9 | 0 |
| 41 | Szegő polynomials and the truncated trigonometric moment problem. Ramanujan Journal, 2006, 12, 461-472. | 0.7 | 1 |
| 42 | Monotonicity of the zeros of orthogonal polynomials through related measures. Journal of Mathematical Analysis and Applications, 2005, 307, 699-709. | 1.0 | 0 |
| 43 | On linear combinations of L-orthogonal polynomials associated with distributions belonging to symmetric classes. Journal of Computational and Applied Mathematics, 2005, 179, 15-29. | 2.0 | 1 |
| 44 | Polynomials generated by a three term recurrence relation: bounds for complex zeros. Linear Algebra and Its Applications, 2005, 397, 299-324. | 0.9 | 13 |
| 45 | Real orthogonal polynomials in frequency analysis. Mathematics of Computation, 2004, 74, 341-363. | 2.1 | 15 |
| 46 | Orthogonal Polynomials Associated with Related Measures and Sobolev Orthogonal Polynomials. Numerical Algorithms, 2003, 34, 203-216. | 1.9 | 14 |
| 47 | Szegő polynomials: some relations to L-orthogonal and orthogonal polynomials. Journal of Computational and Applied Mathematics, 2003, 153, 79-88. | 2.0 | 8 |
| 48 | The Q-D algorithm for transforming series expansions into a corresponding continued fraction: an extension to cope with zero coefficients. Journal of Computational and Applied Mathematics, 2003, 156, 487-497. | 2.0 | 2 |
| 49 | Szegő Polynomials: Quadrature Rules on the Unit Circle and on $[-1,1]$. Rocky Mountain Journal of Mathematics, 2003, 33, 567. | 0.4 | 2 |
| 50 | Blumenthal's Theorem for Laurent Orthogonal Polynomials. Journal of Approximation Theory, 2002, 117, 255-278. | 0.8 | 14 |
| 51 | Chain sequences and symmetric generalized orthogonal polynomials. Journal of Computational and Applied Mathematics, 2002, 143, 95-106. | 2.0 | 23 |
| 52 | Monotonicity of zeros of orthogonal Laurent polynomials. Methods and Applications of Analysis, 2002, 9, 1-12. | 0.5 | 6 |
| 53 | Companion orthogonal polynomials: some applications. Applied Numerical Mathematics, 2001, 39, 127-149. | 2.1 | 18 |
| 54 | Gaussian Quadrature Rules with Simple Node-Weight Relations. Numerical Algorithms, 2001, 27, 61-76. | 1.9 | 0 |

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|---|---------|-----|-----------|
| 55 | Inversely Symmetric Interpolatory Quadrature Rules. Acta Applicandae Mathematicae, 2000, 61, 15-28. | 1.0 | 1 |
| 56 | On a symmetry in strong distributions. Journal of Computational and Applied Mathematics, 1999, 105, 187-198. | 2.0 | 11 |
| 57 | Asymptotics for polynomials satisfying a certain twin asymptotic periodic recurrence relation. Methods and Applications of Analysis, 1999, 6, 535-548. | 0.5 | 2 |
| 58 | Characterization of Generalized Bessel Polynomials in Terms of Polynomial Inequalities. Journal of Mathematical Analysis and Applications, 1998, 221, 538-543. | 1.0 | 3 |
| 59 | Associated symmetric quadrature rules. Applied Numerical Mathematics, 1996, 21, 175-183. | 2.1 | 7 |
| 60 | Companion orthogonal polynomials. Journal of Computational and Applied Mathematics, 1996, 75, 23-33. | 2.0 | 7 |
| 61 | Symmetric Orthogonal Polynomials and the Associated Orthogonal L-Polynomials. Proceedings of the American Mathematical Society, 1995, 123, 3135. | 0.8 | 17 |
| 62 | Some Consequences of a Symmetry in Strong Distributions. Journal of Mathematical Analysis and Applications, 1995, 193, 158-168. | 1.0 | 19 |
| 63 | Symmetric orthogonal polynomials and the associated orthogonal ?-polynomials. Proceedings of the American Mathematical Society, 1995, 123, 3135-3141. | 0.8 | 13 |
| 64 | Another quadrature rule of highest algebraic degree of precision. Numerische Mathematik, 1994, 68, 283-294. | 1.9 | 28 |
| 65 | A Chebyshev-type quadrature rule with some interesting properties. Journal of Computational and Applied Mathematics, 1994, 51, 263-265. | 2.0 | 3 |
| 66 | The strong c-Symmetric distribution. Journal of the Australian Mathematical Society Series A Pure Mathematics and Statistics, 1992, 53, 261-265. | 0.3 | 3 |
| 67 | On the extensions of some classical distributions. Proceedings of the Edinburgh Mathematical Society, 1991, 34, 19-29. | 0.3 | 15 |
| 68 | On a Recurrence Formula Associated with Strong Distributions. SIAM Journal on Mathematical Analysis, 1990, 21, 1335-1348. | 1.9 | 10 |
| 69 | Convergence properties of a class of Ä´-fractions. Journal of Computational and Applied Mathematics, 1987, 19, 331-342. | 2.0 | 2 |
| 70 | Ä´-fractions and strong moment problems. Lecture Notes in Mathematics, 1986, , 269-284. | 0.2 | 3 |
| 71 | Orthogonal Polynomials Associated with Complementary Chain Sequences. Symmetry, Integrability and Geometry: Methods and Applications (SIGMA), 0, , . | 0.5 | 0 |