# Gradimir V MilovanoviÄ

List of Publications by Year
in descending order



| 194 | 1,673 | 361413 | 477307 |
|---|---|---|---|
| papers | citations | 20 h-index | 29 g-index |

| 196 | 196 | 196 | 548 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Some results on the extended beta and extended hypergeometric functions. Applied Mathematics and Computation, 2014, 248, 631-651. | 2.2 | 46 |
| 2 | Analytic Number Theory, Approximation Theory, and Special Functions. , 2014, , . | | 41 |
| 3 | (p,Âq)-Beta functions and applications in approximation. Boletin De La Sociedad Matematica Mexicana, 2018, 24, 219-237. | 0.7 | 39 |
| 4 | On the convergence order of a modified method for simultaneous finding polynomial zeros. Computing (Vienna/New York), 1983, 30, 171-178. | 4.8 | 37 |
| 5 | Polynomials orthogonal on the semicircle. Journal of Approximation Theory, 1986, 46, 230-250. | 0.8 | 36 |
| 6 | S-orthogonality and construction of Gauss-TurÃ¡n-type quadrature formulae. Journal of Computational and Applied Mathematics, 1997, 86, 205-218. | 2.0 | 32 |
| 7 | Modified Stancu type Dunkl generalization of SzÃ¡szâ€“Kantorovich operators. Revista De La Real Academia De Ciencias Exactas, Fisicas Y Naturales - Serie A: Matematicas, 2018, 112, 135-151. | 1.2 | 32 |
| 8 | Quadratures with multiple nodes, power orthogonality, and moment-preserving spline approximation. Journal of Computational and Applied Mathematics, 2001, 127, 267-286. | 2.0 | 30 |
| 9 | Some numerical methods for second-kind Fredholm integral equations on the real semiaxis. IMA Journal of Numerical Analysis, 2009, 29, 1046-1066. | 2.9 | 30 |
| 10 | Moment-preserving spline approximation on finite intervals. Numerische Mathematik, 1987, 50, 503-518. | 1.9 | 27 |
| 11 | On an optimal quadrature formula in the sense of Sard. Numerical Algorithms, 2011, 57, 487-510. | 1.9 | 27 |
| 12 | Interpolation splines minimizing a semi-norm. Calcolo, 2014, 51, 245-260. | 1.1 | 27 |
| 13 | Calculation of gaussian-type quadratures with multiple nodes. Mathematical and Computer Modelling, 2004, 39, 325-347. | 2.0 | 26 |
| 14 | On discrete inequalities of Wirtinger's type. Journal of Mathematical Analysis and Applications, 1982, 88, 378-387. | 1.0 | 25 |
| 15 | Weighted L2-Analogs of Bernsteinâ€²s Inequality and Classical Orthogonal Polynomials. Journal of Mathematical Analysis and Applications, 1994, 182, 244-249. | 1.0 | 24 |
| 16 | Error bounds for Gauss-TurÃ¡n quadrature formulae of analytic functions. Mathematics of Computation, 2003, 72, 1855-1873. | 2.1 | 23 |
| 17 | Optimal quadratures in the sense of Sard in a Hilbert space. Applied Mathematics and Computation, 2015, 259, 637-653. | 2.2 | 22 |
| 18 | Generating Functions for Special Polynomials and Numbers Including Apostol-Type and Humbert-Type Polynomials. Mediterranean Journal of Mathematics, 2017, 14, 1. | 0.8 | 22 |

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| 19 | A note on some improvements of the simultaneous methods for determination of polynomial zeros. Journal of Computational and Applied Mathematics, 1983, 9, 65-69. | 2.0 | 21 |
| 20 | An Error Expansion for some Gaussâ€“TurÃ¡n Quadratures and L1-Estimates of the Remainder Term. BIT Numerical Mathematics, 2005, 45, 117-136. | 2.0 | 21 |
| 21 | Spline approximations to spherically symmetric distributions. Numerische Mathematik, 1986, 49, 111-121. | 1.9 | 20 |
| 22 | Polynomials orthogonal on the semicircle, II. Constructive Approximation, 1987, 3, 389-404. | 3.0 | 20 |
| 23 | Efficient method for the computation of oscillatory Bessel transform and Bessel Hilbert transform. Journal of Computational and Applied Mathematics, 2016, 308, 117-137. | 2.0 | 19 |
| 24 | Trigonometric orthogonal systems and quadrature formulae. Computers and Mathematics With Applications, 2008, 56, 2915-2931. | 2.7 | 18 |
| 25 | On Drazin inverse of operator matrices. Journal of Mathematical Analysis and Applications, 2011, 375, 331-335. | 1.0 | 18 |
| 26 | Extremal problems, inequalities, and classical orthogonal polynomials. Applied Mathematics and Computation, 2002, 128, 151-166. | 2.2 | 17 |
| 27 | Gaussian-type Quadrature Rules for MÃ¼ntz Systems. SIAM Journal of Scientific Computing, 2005, 27, 893-913. | 2.8 | 17 |
| 28 | NystrÃ¶m method for Fredholm integral equations of the second kind in two variables on a triangle. Applied Mathematics and Computation, 2013, 219, 7653-7662. | 2.2 | 16 |
| 29 | Explicit Formulas and Combinatorial Identities for Generalized Stirling Numbers. Mediterranean Journal of Mathematics, 2013, 10, 57-72. | 0.8 | 16 |
| 30 | A Reliability-Based Approach to Nonrepairable Spare Part Forecasting in Aircraft Maintenance System. Mathematical Problems in Engineering, 2015, 2015, 1-7. | 1.1 | 16 |
| 31 | Efficient computation of highly oscillatory integrals with Hankel kernel. Applied Mathematics and Computation, 2015, 261, 312-322. | 2.2 | 16 |
| 32 | New integral forms of generalized Mathieu series and related applications. Applicable Analysis and Discrete Mathematics, 2013, 7, 180-192. | 0.7 | 16 |
| 33 | Some MÃ¼ntz orthogonal systems. Journal of Computational and Applied Mathematics, 1998, 99, 299-310. | 2.0 | 15 |
| 34 | Some properties of a hypergeometric function which appear in an approximation problem. Journal of Global Optimization, 2013, 57, 1173-1192. | 1.8 | 15 |
| 35 | On polynomials orthogonal on a circular arc. Journal of Computational and Applied Mathematics, 1994, 51, 1-13. | 2.0 | 14 |
| 36 | Properties of Boubaker polynomials and an application to Loveâ€™s integral equation. Applied Mathematics and Computation, 2013, 224, 74-87. | 2.2 | 14 |

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| 37 | Numerical Integration of Highly Oscillating Functions. , 2014, , 613-649. | | 14 |
| 38 | Some higher-order methods for the simultaneous approximation of multiple polynomial zeros. Computers and Mathematics With Applications, 1986, 12, 951-962. | 2.7 | 13 |
| 39 | Numerical differentiation of analytic functions using quadratures on the semicircle. Computers and Mathematics With Applications, 1991, 22, 99-106. | 2.7 | 13 |
| 40 | Quadrature formulae connected to Ï*f*-orthogonal polynomials. Journal of Computational and Applied Mathematics, 2002, 140, 619-637. | 2.0 | 13 |
| 41 | A Class of Orthogonal Polynomials on the Radial Rays in the Complex Plane. Journal of Mathematical Analysis and Applications, 1997, 206, 121-139. | 1.0 | 12 |
| 42 | Linearizability conditions for a cubic system. Applied Mathematics and Computation, 2007, 190, 937-945. | 2.2 | 12 |
| 43 | MÃ¼ntz Orthogonal Polynomials and Their Numerical Evaluation. , 1999, , 179-194. | | 12 |
| 44 | The numerical evaluation of singular integrals with coth-kernel. BIT Numerical Mathematics, 1987, 27, 389-402. | 2.0 | 11 |
| 45 | Nonstandard Gaussian quadrature formulae based on operator values. Advances in Computational Mathematics, 2010, 32, 431-486. | 1.6 | 11 |
| 46 | Iterative approximation of fixed points and applications to two-point second-order boundary value problems and to machine learning. Applied Numerical Mathematics, 2021, 167, 143-172. | 2.1 | 11 |
| 47 | Summation of Series and Gaussian Quadratures. , 1994, , 459-475. | | 11 |
| 48 | Orthogonal polynomials and Gaussian quadrature rules related to oscillatory weight functions. Journal of Computational and Applied Mathematics, 2005, 179, 263-287. | 2.0 | 10 |
| 49 | Quadrature rules with multiple nodes for evaluating integrals with strong singularities. Journal of Computational and Applied Mathematics, 2006, 189, 689-702. | 2.0 | 10 |
| 50 | Maximum of the modulus of kernels in Gauss-TurÃ¡n quadratures. Mathematics of Computation, 2007, 77, 985-995. | 2.1 | 10 |
| 51 | Explicit formulas for five-term recurrence coefficients of orthogonal trigonometric polynomials of semi-integer degree. Applied Mathematics and Computation, 2008, 198, 559-573. | 2.2 | 10 |
| 52 | Calculation of coefficients of a cardinal B-spline. Applied Mathematics Letters, 2010, 23, 1346-1350. | 2.7 | 10 |
| 53 | A generalized Birkhoffâ€“Youngâ€“Chebyshev quadrature formula for analytic functions. Applied Mathematics and Computation, 2011, 218, 944-948. | 2.2 | 10 |
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| 55 | Statistics for Ratios of Rayleigh, Rician, Nakagami-<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" id="M1"><mml:mrow><mml:mi>m</mml:mi></mml:mrow></mml:math>, and Weibull Distributed Random Variables. Mathematical Problems in Engineering, 2013, 2013, 1-10. | 1.1 | 10 |
| 56 | A Transformation of Accelerated Double Step Size Method for Unconstrained Optimization. Mathematical Problems in Engineering, 2015, 2015, 1-8. | 1.1 | 10 |
| 57 | Uniqueness and computation of Gaussian interval quadrature formula for Jacobi weight function. Numerische Mathematik, 2004, 99, 141-162. | 1.9 | 9 |
| 58 | The Split-SV model. Computational Statistics and Data Analysis, 2016, 100, 560-581. | 1.2 | 9 |
| 59 | Accelerated multiple step-size methods for solving unconstrained optimization problems. Optimization Methods and Software, 2021, 36, 998-1029. | 2.4 | 9 |
| 60 | The roots of polynomials and the operator $$Delta _i^3$$ on the Hahn sequence space h. Computational and Applied Mathematics, 2021, 40, 1. | 2.2 | 9 |
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| 62 | Gaussian Quadrature Involving Einstein and Fermi Functions with an Application to Summation of Series. Mathematics of Computation, 1985, 44, 177. | 2.1 | 9 |
| 63 | Extremal problems of Markovâ€“Bernstein type in integral norms. , 2022, , 85-169. | | 9 |
| 64 | An Extremal Problem for Polynomials with Nonnegative Coefficients. Proceedings of the American Mathematical Society, 1985, 94, 423. | 0.8 | 8 |
| 65 | Error analysis in some Gaussâ€“TurÃ¡nâ€“Radau and Gaussâ€“TurÃ¡nâ€“Lobatto quadratures for analytic functions. Journal of Computational and Applied Mathematics, 2004, 164-165, 569-586. | 2.0 | 8 |
| 66 | Bounds of the error of Gaussâ€“TurÃ¡n-type quadratures. Journal of Computational and Applied Mathematics, 2005, 178, 333-346. | 2.0 | 8 |
| 67 | Positive definite solutions of some matrix equations. Linear Algebra and Its Applications, 2008, 429, 2401-2414. | 0.9 | 8 |
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| 69 | Wellâ€conditioned matrices for numerical treatment of Fredholm integral equations of the second kind. Numerical Linear Algebra With Applications, 2009, 16, 995-1011. | 1.6 | 8 |
| 70 | Kronrod extensions with multiple nodes of quadrature formulas for Fourier coefficients. Mathematics of Computation, 2014, 83, 1207-1231. | 2.1 | 8 |
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| 73 | Error estimates for Gaussian quadratures of analytic functions. Journal of Computational and Applied Mathematics, 2009, 233, 802-807. | 2.0 | 7 |
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| 80 | Generalized Summation Formulas for the KampÃ‰ de FÃ‰riet Function. Axioms, 2021, 10, 318. | 1.9 | 7 |
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| 86 | Nonstandard Gaussâ€”Lobatto quadrature approximation to fractional derivatives. Fractional Calculus and Applied Analysis, 2014, 17, 1075-1099. | 2.2 | 6 |
| 87 | Signal-to-Noise Ratio in Adsorption-Based Microfluidic Bio/Chemical Sensors. Procedia Engineering, 2016, 168, 642-645. | 1.2 | 6 |
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| 89 | Least Squares Approximation With Constraints. Mathematics of Computation, 1986, 46, 551. | 2.1 | 5 |
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| 92 | Some inequalities for symmetric functions and an application to orthogonal polynomials. Journal of Mathematical Analysis and Applications, 2005, 311, 191-208. | 1.0 | 5 |
| 93 | Gauss-Radau and Gauss-Lobatto interval quadrature rules for Jacobi weight function. Numerische Mathematik, 2006, 102, 523-542. | 1.9 | 5 |
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| 95 | Generalized quadrature rules of Gaussian type for numerical evaluation of singular integrals. Journal of Computational and Applied Mathematics, 2015, 278, 306-325. | 2.0 | 5 |
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| 97 | A method for efficient computation of integrals with oscillatory and singular integrand. Numerical Algorithms, 2020, 85, 1155-1173. | 1.9 | 5 |
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| 99 | Trigonometric Orthogonal Systems and Quadrature Formulae with Maximal Trigonometric Degree of Exactness. , 2006, , 402-409. | | 5 |
| 100 | Construction of Gaussian quadrature formulas for even weight functions. Applicable Analysis and Discrete Mathematics, 2017, 11, 177-198. | 0.7 | 5 |
| 101 | Complex Jacobi matrices and quadrature rules. Filomat, 2003, , 117-134. | 0.5 | 5 |
| 102 | Discrete inequalities of Wirtinger's type for higher differences. Journal of Inequalities and Applications, 1997, 1997, 312160. | 1.1 | 5 |
| 103 | On numerical evaluation of double integrals of an analytic function of two complex variables. BIT Numerical Mathematics, 1986, 26, 521-526. | 2.0 | 4 |
| 104 | On birkhoff (0,3) and (0,4) quadrature formulae. Numerical Functional Analysis and Optimization, 1997, 18, 427-433. | 1.4 | 4 |
| 105 | Gaussâ€“Laguerre interval quadrature rule. Journal of Computational and Applied Mathematics, 2005, 182, 433-446. | 2.0 | 4 |
| 106 | A note on the bounds of the error of Gaussâ€“TurÃ¡n-type quadratures. Journal of Computational and Applied Mathematics, 2007, 200, 276-282. | 2.0 | 4 |
| 107 | Gaussâ€“Hermite interval quadrature rule. Computers and Mathematics With Applications, 2007, 54, 544-555. | 2.7 | 4 |
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| 112 | Trigonometric multiple orthogonal polynomials of semi-integer degree and the corresponding quadrature formulas. Publications De L'Institut Mathematique, 2014, 96, 211-226. | 0.2 | 4 |
| 113 | Extremal Problems of Bernstein-Type and an Operator Preserving Inequalities between Polynomials. Siberian Mathematical Journal, 2022, 63, 138-148. | 0.6 | 4 |
| 114 | Supplement to Gaussian Quadrature Involving Einstein and Fermi Functions with an Application to Summation of Series. Mathematics of Computation, 1985, 44, S1. | 2.1 | 3 |
| 115 | Extremal Problems for Lorentz Classes of Nonnegative Polynomials in L 2 Metric with Jacobi Weight. Proceedings of the American Mathematical Society, 1988, 102, 283. | 0.8 | 3 |
| 116 | Some Finite Summation Formulas Involving Multivariable Hypergeometric Polynomials. Integral Transforms and Special Functions, 2003, 14, 349-361. | 1.2 | 3 |
| 117 | Monotonicity of the error term in Gauss-TurÃ¡n quadratures for analytic function. ANZIAM Journal, 2007, 48, 567-581. | 0.2 | 3 |
| 118 | Quadrature formulae with multiple nodes and a maximal trigonometric degree of exactness. Numerische Mathematik, 2009, 112, 425-448. | 1.9 | 3 |
| 119 | Statistical analysis of the square ratio of two multivariate exponentially correlated <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si23.gif" display="inline" overflow="scroll"><mml:mi>Î±</mml:mi><mml:mo>â€“</mml:mo><mml:mi>Ï¼</mml:mi></mml:math> distributions and its application in telecommunications. Mathematical and Computer Modelling, 2011, 54, 152-159. | 2.0 | 3 |
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| 121 | Orthogonal Polynomials for Modified Chebyshev Measure of the First Kind. Results in Mathematics, 2016, 69, 443-455. | 0.8 | 3 |
| 122 | Generalized weighted Birkhoffâ€“Young quadratures with the maximal degree of exactness. Applied Numerical Mathematics, 2017, 116, 238-255. | 2.1 | 3 |
| 123 | Truncation error analysis in computing of SEP and SEP floor for partially coherent receiver of MPSK signals over composite fading channels. Journal of the Franklin Institute, 2018, 355, 965-980. | 3.4 | 3 |
| 124 | A class of polynomials and connections with Bernoulliâ€™s numbers. Journal of Analysis, 2019, 27, 709-726. | 0.6 | 3 |
| 125 | Ostrowski type inequalities and some selected quadrature formulae. Applicable Analysis and Discrete Mathematics, 2021, 15, 151-178. | 0.7 | 3 |
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| 129 | Quadrature with multiple nodes, power orthogonality, and moment-preserving spline approximation, part II. Applicable Analysis and Discrete Mathematics, 2019, 13, 1-27. | 0.7 | 3 |
| 130 | Estimates for the maximal modulus of rational functions with prescribed poles. Filomat, 2021, 35, 1511-1517. | 0.5 | 3 |
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| 132 | A generalization of the array type polynomials. Mathematica Moravica, 2022, 26, 37-46. | 0.7 | 3 |
| 133 | On an inequality of Bogar and Gustafson. Journal of Mathematical Analysis and Applications, 1990, 146, 207-216. | 1.0 | 2 |
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| 135 | Remarks on â€œOrthogonality of some sequences of the rational functions and MÃ¼ntz polynomialsâ€• Journal of Computational and Applied Mathematics, 2005, 173, 383-388. | 2.0 | 2 |
| 136 | Efficient Numerical Methods for Analysis of Square Ratio of Î²-Î¼ and Î·-Î¼ Random Processes with Their Applications in Telecommunications. Mathematical Problems in Engineering, 2018, 2018, 1-9. | 1.1 | 2 |
| 137 | Stochastic Time Response and Ultimate Noise Performance of Adsorption-Based Microfluidic Biosensors. Biosensors, 2021, 11, 194. | 4.7 | 2 |
| 138 | Multiple Orthogonality and Applications in Numerical Integration. Springer Optimization and Its Applications, 2012, , 431-455. | 0.9 | 2 |
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| 142 | Calculation of the channel discharge function for the generalized lightning traveling current source return stroke model. Filomat, 2018, 32, 6937-6951. | 0.5 | 2 |
| 143 | Optimal quadrature formula in the sense of Sard in K2(P3) space. Publications De L'Institut Mathematique, 2014, 95, 29-47. | 0.2 | 2 |
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| 147 | A generalization of divided differences and applications. Filomat, 2019, 33, 193-210. | 0.5 | 2 |
| 148 | Certain estimates of TurÃ¡nâ€™s-type for the maximum modulus of the polar derivative of a polynomial. Publications De L'Institut Mathematique, 2020, 108, 121-130. | 0.2 | 2 |
| 149 | Variational Inequality Problem Involving Multivalued Nonexpansive Mapping in CAT(0) Spaces. Results in Mathematics, 2022, 77, 1. | 0.8 | 2 |
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| 154 | Rational algorithm for quadratic Christoffel modification and applications to the constrainedL<sup>2</sup>-approximation. International Journal of Computer Mathematics, 2011, 88, 3012-3025. | 1.8 | 1 |
| 155 | Some properties of Boubaker polynomials and applications. , 2012, , . | | 1 |
| 156 | Upgraded Petri net model and analysis of adaptive and static arithmetic coding. Mathematical and Computer Modelling, 2013, 58, 1548-1562. | 2.0 | 1 |
| 157 | Quadrature Rules with Multiple Nodes. Springer Optimization and Its Applications, 2016, , 435-462. | 0.9 | 1 |
| 158 | Summation Formulas of Eulerâ€“Maclaurin and Abelâ€“Plana: Old and New Results and Applications. Springer Optimization and Its Applications, 2017, , 429-461. | 0.9 | 1 |
| 159 | Symbolicâ€“numeric computation of orthogonal polynomials and Gaussian quadratures with respect to the cardinal B-spline. Numerical Algorithms, 2017, 76, 333-347. | 1.9 | 1 |
| 160 | Recurrence Relation and Differential Equation for a Class of Orthogonal Polynomials. Results in Mathematics, 2018, 73, 1. | 0.8 | 1 |
| 161 | A Note on Extraction of Orthogonal Polynomials from Generating Function for Reciprocal of Odd Numbers. Indian Journal of Pure and Applied Mathematics, 2019, 50, 15-22. | 0.5 | 1 |
| 162 | Some orthogonal polynomials on the finite interval and Gaussian quadrature rules for fractional Riemannâ€“Liouville integrals. Mathematical Methods in the Applied Sciences, 2021, 44, 493-516. | 2.3 | 1 |

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| 163 | Orthogonal polynomials relative to a generalized Marchenkoâ€“Pastur probability measure. Numerical Algorithms, 2021, 88, 1233. | 1.9 | 1 |
| 164 | Orthogonal polynomials relative to weight functions of Prudnikov type. Numerical Algorithms, 2022, 90, 263-270. | 1.9 | 1 |
| 165 | A special Gaussian rule for trigonometric polynomials. Banach Journal of Mathematical Analysis, 2007, 1, 85-90. | 0.8 | 1 |
| 166 | Polynomial approximation with Pollaczeck-Laguerre weights on the real semiaxis. A survey. Electronic Transactions on Numerical Analysis, 0, 50, 36-51. | 0.0 | 1 |
| 167 | A note on an error bound of Gauss-TurÃ¡n quadrature with the Chebyshev weight. Filomat, 2013, 27, 1037-1042. | 0.5 | 1 |
| 168 | Numerical inversion of the Laplace transform. Facta Universitatis - Series Electronics and Energetics, 2005, 18, 515-530. | 0.9 | 1 |
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| 175 | Quadrature Formulas of Gaussian Type for Fast Summation of Trigonometric Series. Constructive Mathematical Analysis, 0, , 168-182. | 0.7 | 1 |
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| 177 | Preface of the â€œSymposium on approximation, scientific computation and applications ASCA-2012â€• , 2012, , . | | 0 |
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| 181 | Remarks on â€œApplication of Mixed Quadrature Rule on Electromagnetic Field Problemsâ€• Computational Mathematics and Modeling, 2018, 29, 201-210. | 0.5 | 0 |
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