

# Mykola Kryukov

## List of Publications by Year in descending order

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41  
papers

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citations

1937685

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h-index

1474206

9  
g-index

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docs citations

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times ranked

12  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Solution of problems of the theory of plates and shells with spline functions (survey). International Applied Mechanics, 1995, 31, 413-434.  | 0.6 | 21        |
| 2  | Using Spline Functions to Solve Boundary-Value Problems for Laminated Orthotropic Trapezoidal Plates of Variable Thickness. International Applied Mechanics, 2005, 41, 413-420.                  | 0.6 | 15        |
| 3  | Spline-approximation solution of stress-strain problems for beveled cylindrical shells. International Applied Mechanics, 2009, 45, 1357-1364.  | 0.6 | 10        |
| 4  | Design of oblique and trapezoidal plates with the use of spline functions. International Applied Mechanics, 1997, 33, 414-417.   | 0.6 | 7         |
| 5  | Investigation of the asymmetric stressed-strained state of transversely isotropic cylinders under different boundary conditions at the ends. International Applied Mechanics, 1998, 34, 607-614. | 0.6 | 4         |
| 6  | The axisymmetric deformation of shells of revolution of average thickness. Soviet Applied Mechanics, 1969, 5, 678-683.   | 0.0 | 3         |
| 7  | Numerical solution of nonlinear problems of the axisymmetric deformation of laminar anisotropic shells of revolution. Mechanics of Composite Materials, 1984, 19, 746-751.                       | 1.4 | 3         |
| 8  | Improved calculation of the stress-strain state of orthotropic noncircular cylindrical shells. International Applied Mechanics, 1992, 28, 54-60.   | 0.6 | 3         |
| 9  | Use of spline approximation to study displacement and stress fields in cylinders with different boundary conditions on the ends. International Applied Mechanics, 1997, 33, 958-965.             | 0.6 | 3         |
| 10 | Spline-approximation solution of problems of the statics of orthotropic shallow shells with variable parameters. International Applied Mechanics, 2000, 36, 888-895.                             | 0.6 | 3         |
| 11 | Stress Analysis of Biconvex Laminated Orthotropic Shells that are Shallow to a Variable Degree. International Applied Mechanics, 2003, 39, 688-695.  | 0.6 | 3         |
| 12 | Numerical solution of statics problems of flexible laminar shells with variable parameters. Soviet Applied Mechanics, 1987, 23, 647-652.   | 0.0 | 2         |
| 13 | Deformation of orthotropic noncircular cylindrical shells in an elastic bed. International Applied Mechanics, 1993, 29, 204-207.   | 0.6 | 2         |
| 14 | Solution of problems of the stressed state of thick-walled orthotropic cylindrical shells with the aid of spline functions. International Applied Mechanics, 1993, 29, 541-547.                  | 0.6 | 2         |
| 15 | Solution of Boundary-Value Problems of the Theory of Plates with Variable Parameters Using Periodical B-splines. International Applied Mechanics, 2018, 54, 373-377.                             | 0.6 | 2         |
| 16 | Proper use of the strength provided by thermal-expansion compensators. Strength of Materials, 1972, 4, 516-520.  | 0.5 | 1         |
| 17 | Solving nonlinear boundary-value problems of the statics of flexible laminated shells in the supercritical region. Soviet Applied Mechanics, 1983, 19, 217-221.                                  | 0.0 | 1         |
| 18 | Selection of the rational form of the shell system with large displacements. Strength of Materials, 1984, 16, 1436-1440.   | 0.5 | 1         |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | Two-dimensional statics problems of noncircular cylindrical shells. Soviet Applied Mechanics, 1991, 27, 1007-1011.  | 0.0 | 1         |
| 20 | Solution of linear and nonlinear boundary-value problems for shells and plates using the method of lines. International Applied Mechanics, 1993, 29, 249-256.                                   | 0.6 | 1         |
| 21 | Solution of two-dimensional problems of the statics of flexible shallow shells by spline approximation. International Applied Mechanics, 1995, 31, 255-260.                                     | 0.6 | 1         |
| 22 | Stressed state of a thick-walled conical shell in a centrifugal force field. Soviet Applied Mechanics, 1970, 6, 905-907.  | 0.0 | 0         |
| 23 | Nonaxisymmetric deformation of thick circular plates of variable stiffness. Soviet Applied Mechanics, 1979, 15, 960-964.  | 0.0 | 0         |
| 24 | Thermal stresses in a flexible circular plate of variable rigidity. Soviet Applied Mechanics, 1981, 17, 669-672.  | 0.0 | 0         |
| 25 | Nonaxisymmetrical deformation of flexible circular layered orthotropic plates with variable stiffness parameters. Soviet Applied Mechanics, 1982, 18, 225-229.                                  | 0.0 | 0         |
| 26 | Nonaxisymmetric deformation of flexible variable-thickness conical shells. Soviet Applied Mechanics, 1983, 19, 405-410.   | 0.0 | 0         |
| 27 | Numerical solution of problems on the deformation of open flexible noncircular cylindrical shells of variable stiffness. Soviet Applied Mechanics, 1984, 20, 1052-1057.                         | 0.0 | 0         |
| 28 | Numerical solution of nonlinear two-dimensional problems on the nonaxisymmetric deformation of layered shells of revolution of variable stiffness. Soviet Applied Mechanics, 1984, 20, 710-717. | 0.0 | 0         |
| 29 | Numerical study of the stress-strain state of nonuniform flexible shells of revolution made of composite materials. Soviet Applied Mechanics, 1985, 21, 585-590.                                | 0.0 | 0         |
| 30 | Nonaxisymmetric deformation of flexible shells of revolution with axisymmetric loading. Soviet Applied Mechanics, 1985, 21, 672-676.  | 0.0 | 0         |
| 31 | Nonlinear deformation of noncircular orthotropic cylindrical shells of variable rigidity. Soviet Applied Mechanics, 1986, 22, 435-439.  | 0.0 | 0         |
| 32 | Numerical analysis of the nonlinear deformation of a spherical pressure vessel made of laminated glass-plastic. Soviet Applied Mechanics, 1987, 23, 1033-1037.                                  | 0.0 | 0         |
| 33 | Axisymmetric nonlinear deformation of elastic systems made of anisotropic shells of revolution. Soviet Applied Mechanics, 1990, 26, 37-40.  | 0.0 | 0         |
| 34 | Post-critical deformation of flexible laminar shells of revolution under combined loading. Soviet Applied Mechanics, 1990, 26, 858-863.   | 0.0 | 0         |
| 35 | Numeric analysis of the deformation of flexible shell structures of composite materials under a combined load. Mechanics of Composite Materials, 1991, 26, 807-811.                             | 1.4 | 0         |
| 36 | Stress analysis near holes in shells of revolution: Geometrically nonlinear problem. Journal of Soviet Mathematics, 1992, 58, 76-79.  | 0.0 | 0         |

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|----|--|-----|-----------|
| 37 | Numerical solution of the problem of nonlinear deformation of an immersed cylindrical panel. Journal of Soviet Mathematics, 1993, 66, 2394-2396.                                       | 0.0 | 0         |
| 38 | Axisymmetric deformation of bimetallic shells of revolution in the supercritical region. Journal of Mathematical Sciences, 1994, 71, 2577-2580.  | 0.4 | 0         |
| 39 | Using B splines to investigate rectangular-plate flexure. International Applied Mechanics, 1995, 31, 118-122.  | 0.6 | 0         |
| 40 | Deformation of flexible anisotropic elastic systems of shells of revolution on a nonlinear foundation. International Applied Mechanics, 1996, 32, 702-707.                             | 0.6 | 0         |
| 41 | The development of Institute of Mechanics of the Ukrainian National Academy of Sciences named after S. P. Tymoshenko (1941-1968). History of Science and Technology, 2018, 8, 319-327. | 0.4 | 0         |