# Josip TambaÄa

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8039312/publications.pdf

Version: 2024-02-01

| | | | |
|---|---|---|---|
| 45 papers | 632 citations | 840776 11 h-index | 580821 25 g-index |
| 46 all docs | 46 docs citations | 46 times ranked | 394 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | An Open-Source Processing Pipeline for Quad-Dominant Mesh Generation for Class-Compliant Ship Structural Analysis. Journal of Marine Science and Engineering, 2022, 10, 209. | 2.6 | 0 |
| 2 | Optimal design of vascular stents using a network of 1D slender curved rods. Computer Methods in Applied Mechanics and Engineering, 2022, 394, 114853. | 6.6 | 4 |
| 3 | Preconditioning the Quad Dominant Mesh Generator for Ship Structural Analysis. Algorithms, 2022, 15, 2. | 2.1 | 1 |
| 4 | Mathematical model of heat transfer through a conductive pipe. ESAIM: Mathematical Modelling and Numerical Analysis, 2021, 55, 627-658. | 1.9 | 2 |
| 5 | Numerical investigation of the 2dâ€“1d structure interaction model. Mathematics and Mechanics of Solids, 2021, 26, 1876-1895. | 2.4 | 1 |
| 6 | A Naghdi Type Nonlinear Model for Shells with Little Regularity. Journal of Elasticity, 2020, 142, 447-494. | 1.9 | 2 |
| 7 | A biodegradable elastic stent model. Mathematics and Mechanics of Solids, 2019, 24, 2591-2618. | 2.4 | 2 |
| 8 | Direct solution method for the equilibrium problem for elastic stents. Numerical Linear Algebra With Applications, 2019, 26, e2231. | 1.6 | 4 |
| 9 | 3D structureâ€“2D plate interaction model. Mathematics and Mechanics of Solids, 2019, 24, 3354-3377. | 2.4 | 8 |
| 10 | Fluidâ€“structure interaction between pulsatile blood flow and a curved stented coronary artery on a beating heart: A four stent computational study. Computer Methods in Applied Mechanics and Engineering, 2019, 350, 679-700. | 6.6 | 33 |
| 11 | Analysis of a linear 3D fluidâ€“meshâ€“shell interaction problem. Zeitschrift Fur Angewandte Mathematik Und Physik, 2019, 70, 1. | 1.4 | 6 |
| 12 | Derivation of a poroelastic elliptic membrane shell model. Applicable Analysis, 2019, 98, 136-161. | 1.3 | 3 |
| 13 | Nonlinear bending-torsion model for curved rods with little regularity. Mathematics and Mechanics of Solids, 2017, 22, 708-717. | 2.4 | 4 |
| 14 | Iterative methods for solving a poroelastic shell model of Naghdi's type. Mathematical Methods in the Applied Sciences, 2017, 40, 4425-4435. | 2.3 | 0 |
| 15 | A Dimension-Reduction Based Coupled Model of Mesh-Reinforced Shells. SIAM Journal on Applied Mathematics, 2017, 77, 744-769. | 1.8 | 6 |
| 16 | Mixed formulation of the one-dimensional equilibrium model for elastic stents. Rad Hrvatske Akademije Znanosti I Umjetnosti, Matematicke Znanosti, 2017, 56, 219-240. | 0.4 | 2 |
| 17 | A new linear Naghdi type shell model for shells with little regularity. Applied Mathematical Modelling, 2016, 40, 10549-10562. | 4.2 | 11 |
| 18 | Derivation of a Poroelastic Flexural Shell Model. Multiscale Modeling and Simulation, 2016, 14, 364-397. | 1.6 | 8 |

| # | ARTICLE | IF | CITATIONS |
|---|---|---|---|
| 19 | Integrated Stent Models Based on Dimension Reduction: Review and Future Perspectives. Annals of Biomedical Engineering, 2016, 44, 604-617. | 2.5 | 13 |
| 20 | On a model of a flexural prestressed shell. Mathematical Methods in the Applied Sciences, 2015, 38, 5231-5241. | 2.3 | 4 |
| 21 | Derivation of a linear prestressed elastic rod model from three-dimensional elasticity. Mathematics and Mechanics of Solids, 2015, 20, 1215-1233. | 2.4 | 0 |
| 22 | One-dimensional quasistatic model of biodegradable elastic curved rods. Zeitschrift Fur Angewandte Mathematik Und Physik, 2015, 66, 2759-2785. | 1.4 | 3 |
| 23 | A New Linear Shell Model for Shells with Little Regularity. Journal of Elasticity, 2014, 117, 163-188. | 1.9 | 9 |
| 24 | Fluidâ€"structure interaction in blood flow capturing non-zero longitudinal structure displacement. Journal of Computational Physics, 2013, 235, 515-541. | 3.8 | 92 |
| 25 | Derivation of the Linear Elastic String Model from Three-Dimensional Elasticity. Journal of Elasticity, 2013, 111, 41-65. | 1.9 | 1 |
| 26 | Derivation of the nonlinear bendingâ€"torsion model for a junction of elastic rods. Proceedings of the Royal Society of Edinburgh Section A: Mathematics, 2012, 142, 633-664. | 1.2 | 8 |
| 27 | Mechanical behavior of fully expanded commercially available endovascular coronary stents. Texas Heart Institute Journal, 2011, 38, 491-501. | 0.3 | 16 |
| 28 | Semicontinuity theorem in the micropolar elasticity. ESAIM - Control, Optimisation and Calculus of Variations, 2010, 16, 337-355. | 1.3 | 3 |
| 29 | Relaxation Theorem and Lower-Dimensional Models in Micropolar Elasticity. Mathematics and Mechanics of Solids, 2010, 15, 812-853. | 2.4 | 1 |
| 30 | Existence theorem for nonlinear micropolar elasticity. ESAIM - Control, Optimisation and Calculus of Variations, 2010, 16, 92-110. | 1.3 | 10 |
| 31 | Evolution Model for Linearized Micropolar Plates byÂtheÂFourier Method. Journal of Elasticity, 2009, 96, 129-154. | 1.9 | 2 |
| 32 | A comparison between fractured Xience-like and Palmaz-like stents using a novel computational model. , 2009, 2009, 1106-8. | | 3 |
| 33 | Derivation of a model of nonlinear micropolar plate. Annali Dell'Universita Di Ferrara, 2008, 54, 319-333. | 1.3 | 6 |
| 34 | Derivation of the model of elastic curved rods from three-dimensional micropolar elasticity. Annali Dell'Universita Di Ferrara, 2007, 53, 109-133. | 1.3 | 6 |
| 35 | Evolution model of linear micropolar plate. Annali Dell'Universita Di Ferrara, 2007, 53, 417-435. | 1.3 | 4 |
| 36 | Modeling Viscoelastic Behavior of Arterial Walls and Their Interaction with Pulsatile Blood Flow. SIAM Journal on Applied Mathematics, 2006, 67, 164-193. | 1.8 | 97 |

| # | ARTICLE | IF | CITATIONS |
|---|---|---|---|
| 37 | Derivation and Justification of the Models of Rods and Plates From Linearized Three-Dimensional Micropolar Elasticity. Journal of Elasticity, 2006, 84, 131-152. | 1.9 | 35 |
| 38 | Blood Flow in Compliant Arteries: An Effective Viscoelastic Reduced Model, Numerics, and Experimental Validation. Annals of Biomedical Engineering, 2006, 34, 575-592. | 2.5 | 84 |
| 39 | A two-dimensional effective model describing fluidâ€"structure interaction in blood flow: analysis, simulation and experimental validation. Comptes Rendus - Mecanique, 2005, 333, 867-883. | 2.1 | 20 |
| 40 | Self-Consistent Effective Equations Modeling Blood Flow in Medium-to-Large Compliant Arteries. Multiscale Modeling and Simulation, 2005, 3, 559-596. | 1.6 | 46 |
| 41 | A Model of Irregular Curved Rods. , 2002, , 289-299. | | 2 |
| 42 | One-dimensional approximations of the eigenvalue problem of curved rods. Mathematical Methods in the Applied Sciences, 2001, 24, 927-948. | 2.3 | 7 |
| 43 | LINEAR CURVED ROD MODEL: GENERAL CURVE. Mathematical Models and Methods in Applied Sciences, 2001, 11, 1237-1252. | 3.3 | 33 |
| 44 | DERIVATION AND JUSTIFICATION OF A CURVED ROD MODEL. Mathematical Models and Methods in Applied Sciences, 1999, 09, 991-1014. | 3.3 | 29 |
| 45 | Homogenization of the time-dependent heat equation on planar one-dimensional periodic structures. Applicable Analysis, 0, , 1-30. | 1.3 | 1 |