Djordje Peric

List of Publications by Year
in descending order

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34	1,389	394286	501076
papers	citations	19 h-index	28 g-index

36	36	36	875
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Experimental investigations of the human oesophagus: anisotropic properties of the embalmed muscular layer under large deformation. Biomechanics and Modeling in Mechanobiology, 2022, 21, 1169-1186.	1.4	10
2	New iterative and staggered solution schemes for incompressible fluidâ€structure interaction based on Dirichletâ€Neumann coupling. International Journal for Numerical Methods in Engineering, 2021, 122, 5204-5235.	1.5	7
3	3D printed elastomeric polyurethane: Viscoelastic experimental characterizations and constitutive modelling with nonlinear viscosity functions. International Journal of Non-Linear Mechanics, 2020, 126, 103546.	1.4	44
4	Accurate iteration-free mixed-stabilised formulation for laminar incompressible Navierâ€“Stokes: Applications to fluidâ€“structure interaction. Journal of Fluids and Structures, 2020, 97, 103077.	1.5	11
5	Towards an integrated restoration/forward geomechanical modelling workflow for basin evolution prediction. Oil and Gas Science and Technology, 2018, 73, 18.	1.4	6
6	A new family of projection schemes for the incompressible Navierâ€“Stokes equations with control of high-frequency damping. Computer Methods in Applied Mechanics and Engineering, 2018, 339, 160-183.	3.4	6
7	Scaling/LER study of Si GAA nanowire FET using 3D finite element Monte Carlo simulations. Solid-State Electronics, 2017, 128, 17-24.	0.8	27
8	Friction Reduction through Ultrasonic Vibration Part 1: Modelling Intermittent Contact. IEEE Transactions on Haptics, 2017, 10, 196-207.	1.8	44
9	Scaling/LER study of Si GAA nanowire FET using 3D Finite Element Monte Carlo simulations. , 2016, , .		3
10	Multi-physics modelling and experimental validation of electrovibration based hapticÂdevices. Biotribology, 2016, 8, 12-25.	0.9	25
11	Anisotropic Quantum Corrections for 3-D Finite-Element Monte Carlo Simulations of Nanoscale Multigate Transistors. IEEE Transactions on Electron Devices, 2016, 63, 933-939.	1.6	16
12	Computational Assessment of Mechanical Triggers for Spiking Activity During Surface Exploration. Lecture Notes in Computer Science, 2016, , 406-415.	1.0	0
13	Anisotropic schrodinger equation quantum corrections for 3D Monte Carlo simulations of nanoscale multigate transistors. , 2015, , .		0
14	Development of a finite element model of a finger pad for biomechanics of human tactile sensations. , 2015, 2015, 909-12.		2
15	3-D Finite Element Monte Carlo Simulations of Scaled Si SOI FinFET With Different Cross Sections. IEEE Nanotechnology Magazine, 2015, 14, 93-100.	1.1	19
16	Quantum Corrections Based on the 2-D SchrÃ¶dinger Equation for 3-D Finite Element Monte Carlo Simulations of Nanoscaled FinFETs. IEEE Transactions on Electron Devices, 2014, 61, 423-429.	1.6	35
17	3D Monte Carlo study of scaled SOI FinFETs using 2D Schrödinger quantum corrections. , 2014, , .		1
18	A new staggered scheme for fluidâ€“structure interaction. International Journal for Numerical Methods in Engineering, 2013, 93, 1-22.	1.5	67

#	Article	IF	Citations
19	On the coupling between fluid flow and mesh motion in the modelling of fluidâ€“structure interaction. Computational Mechanics, 2008, 43, 81-90.	2.2	86
20	Characterization of macroscopic tensile strength of polycrystalline metals with two-scale finite element analysis. Journal of the Mechanics and Physics of Solids, 2008, 56, 1105-1125.	2.3	41
21	Title is missing!. Journal of Applied Mechanics, 2007, 10, 167-174.	0.1	0
22	A computational framework for a class of fully coupled models for elastoplastic damage at finite strains with reference to the linearization aspects. Computer Methods in Applied Mechanics and Engineering, 1996, 130, 179-193.	3.4	40
23	Finite elasticity in spatial description: Linearization aspects with 3-D membrane applications. International Journal for Numerical Methods in Engineering, 1995, 38, 3365-3381.	1.5	33
24	Remarks on the stability of enhanced strain elements in finite elasticity and elastoplasticity. Communications in Numerical Methods in Engineering, 1995, 11, 951-961.	1.3	45
25	A phenomenological model for frictional contact of coated steel sheets. Journal of Materials Processing Technology, 1995, 50, 252-263.	3.1	8
26	A model for elastoplastic damage at finite strains: algorithmic issues and applications. Engineering Computations, 1994, 11, 257-281.	0.7	52
27	On error estimates and adaptivity in elastoplastic solids: Applications to the numerical simulation of strain localization in classical and Cosserat continua. International Journal for Numerical Methods in Engineering, 1994, 37, 1351-1379.	1.5	126
28	Recent developments in the application of finite element methods to nonlinear problems. Finite Elements in Analysis and Design, 1994, 18, 1-15.	1.7	7
29	A phenomenological three-dimensional rate-idependent continuum damage model for highly filled polymers: Formulation and computational aspects. Journal of the Mechanics and Physics of Solids, 1994, 42, 1533-1550.	2.3	56
30	On a class of constitutive equations in viscoplasticity: Formulation and computational issues. International Journal for Numerical Methods in Engineering, 1993, 36, 1365-1393.	1.5	105
31	Universal anisotropic yield criterion based on superquadric functional representation: Part 1. Algorithmic issues and accuracy analysis. Computer Methods in Applied Mechanics and Engineering, 1993, 109, 73-93.	3.4	50
32	A model for finite strain elasto-plasticity based on logarithmic strains: Computational issues. Computer Methods in Applied Mechanics and Engineering, 1992, 94, 35-61.	3.4	168
33	On consistent stress rates in solid mechanics: Computational implications. International Journal for Numerical Methods in Engineering, 1992, 33, 799-817.	1.5	32
34	Computational model for 3-D contact problems with friction based on the penalty method. International Journal for Numerical Methods in Engineering, 1992, 35, 1289-1309.	1.5	217