FjÃ³la JÃ³nsdÃ³ttir

List of Publications by Year
in descending order

35 papers	**561** citations	759233 **12** h-index	610901 **24** g-index
35 all docs	**35** docs citations	**35** times ranked	**475** citing authors

#	Article	IF	Citations
1	Multi-region finite element modelling of drug release from hydrogel based ophthalmic lenses. Mathematical Biosciences, 2021, 331, 108497.	1.9	3
2	Speed Adaptable Prosthetic Foot: Concept Description, Prototyping and Initial User Testing. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2020, 28, 2978-2986.	4.9	4
3	Use of Dynamic FEA for Design Modification and Energy Analysis of a Variable Stiffness Prosthetic Foot. Applied Sciences (Switzerland), 2020, 10, 650.	2.5	19
4	Variable stiffness prosthetic foot based on rheology properties of shear thickening fluid. Smart Materials and Structures, 2020, 29, 095008.	3.5	4
5	The translational force acting on an elastic filament confined in a fluid-filled channel of varying width. Journal of the Mechanics and Physics of Solids, 2018, 120, 16-21.	4.8	0
6	A numerical framework for drug transport in a multi-layer system with discontinuous interlayer condition. Mathematical Biosciences, 2018, 295, 11-23.	1.9	12
7	A Numerical Framework for Diffusive Transport in Rotational Symmetric Systems with Discontinuous Interlayer Conditions. IFAC-PapersOnLine, 2018, 51, 643-648.	0.9	3
8	Modelling the Release of Moxifloxacin from Plasma Grafted Intraocular Lenses with Rotational Symmetric Numerical Framework. Lecture Notes in Computer Science, 2018, , 329-339.	1.3	0
9	Numerical simulation of Franz diffusion experiment: Application to drug loaded soft contact lenses. Journal of Drug Delivery Science and Technology, 2017, 38, 18-27.	3.0	7
10	Modeling of Stiffness Characteristics in a Prosthetic Foot. , 2017, , .		0
11	Large Amplitude Thermal Fluctuations of Confined Semiflexible Biopolymer Filaments. Journal of Applied Mechanics, Transactions ASME, 2014, 81, .	2.2	5
12	Numerical Modelling of Transdermal Delivery from Matrix Systems: Parametric Study and Experimental Validation with Silicone Matrices. Journal of Pharmaceutical Sciences, 2014, 103, 2366-2375.	3.3	4
13	Numerical modelling and experimental investigation of drug release from layered silicone matrix systems. European Journal of Pharmaceutical Sciences, 2013, 49, 671-678.	4.0	15
14	An Experimental Investigation of Unimodal and Bimodal Magnetorheological Fluids with an Application in Prosthetic Devices. Journal of Intelligent Material Systems and Structures, 2011, 22, 539-549.	2.5	22
15	Field-On Versus Field-Off Characteristics of Magnetorheological Fluids With an Application in Prosthetic Devices. , 2011, , .		1
16	AN EXPERIMENTAL INVESTIGATION INTO THE OFF-STATE VISCOSITY OF MR FLUIDS. , 2011, , .		0
17	Modeling Perfluorinated Polyether-Based MR Fluids. Journal of Intelligent Material Systems and Structures, 2011, 22, 1755-1761.	2.5	0
18	An Experimental Investigation into the Off-State Viscosity of MR Fluids. Journal of Intelligent Material Systems and Structures, 2011, 22, 1763-1767.	2.5	6

#	Article	IF	Citations
19	MODELING PERFLUORINATED POLYETHER BASED MR FLUIDS. , 2011, , .		0
20	A SIMPLE SHEAR ANALYSIS OF MR FLUIDS. , 2011, , .		1
21	Rheology of Perfluorinated Polyether-based MR Fluids with Nanoparticles. Journal of Intelligent Material Systems and Structures, 2010, 21, 1051-1060.	2.5	27
22	A geometrical optimization of a magneto-rheological rotary brake in a prosthetic knee. Smart Materials and Structures, 2010, 19, 035023.	3.5	86
23	Influence of Parameter Variations on the Braking Torque of a Magnetorheological Prosthetic Knee. Journal of Intelligent Material Systems and Structures, 2009, 20, 659-667.	2.5	43
24	Bidisperse Perfluorinated Polyether (PFPE)-Based Magneto-Rheological Fluids in a Prosthetic Knee. , 2009, , .		3
25	A Multi-Objective Design Optimization of a Smart Magneto-Rheological Prosthetic Knee. , 2009, , .		3
26	On-line corrosion monitoring in geothermal district heating systems. II. Localized corrosion. Corrosion Science, 2007, 49, 1907-1917.	6.6	27
27	Elastic fields and energies of coherent surface islands. Modelling and Simulation in Materials Science and Engineering, 2006, 14, 1167-1180.	2.0	10
28	Seismic Design of Geothermal Pipeline Supports. , 2002, , 67.		0
29	Quasistatic and dynamic regimes of granular material deformation under impulse loading. Journal of the Mechanics and Physics of Solids, 1997, 45, 1955-1999.	4.8	71
30	Substrate Curvature Change Due to Morphological Instability of a Strained Epitaxial Surface Film. Materials Research Society Symposia Proceedings, 1996, 441, 495.	0.1	1
31	Equilibrium surface roughness of a strained epitaxial film due to surface diffusion induced by interface misfit dislocations. Mechanics of Materials, 1995, 20, 337-349.	3.2	33
32	Computation of equilibrium surface fluctuations in strained epitaxial films due to interface misfit dislocations. Modelling and Simulation in Materials Science and Engineering, 1995, 3, 503-520.	2.0	18
33	Instability of a biaxially stressed thin film on a substrate due to material diffusion over its free surface. Journal of the Mechanics and Physics of Solids, 1993, 41, 1245-1264.	4.8	121
34	Evolution of Surface Roughness of a Strained Epitaxial Film Due to Interface Misfit Dislocations. Materials Research Society Symposia Proceedings, 1993, 317, 309.	0.1	3
35	Continuum Modeling of Stress-Driven Surface Diffusion in Strained Elastic Materials. Materials Research Society Symposia Proceedings, 1993, 308, 383.	0.1	9