

Yusheng Feng

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11322370/publications.pdf>

Version: 2024-02-01

28
papers

729
citations

567281

15
h-index

526287

27
g-index

28
all docs

28
docs citations

28
times ranked

869
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermally Induced Injury and Heat-Shock Protein Expression in Cells and Tissues. <i>Annals of the New York Academy of Sciences</i> , 2005, 1066, 222-242.	3.8	89
2	Toward Predictive Multiscale Modeling of Vascular Tumor Growth. <i>Archives of Computational Methods in Engineering</i> , 2016, 23, 735-779.	10.2	65
3	A Two-State Cell Damage Model Under Hyperthermic Conditions: Theory and In Vitro Experiments. <i>Journal of Biomechanical Engineering</i> , 2008, 130, 041016.	1.3	56
4	Application of the quadrature method to flexural vibration analysis of a geometrically nonlinear beam. <i>Nonlinear Dynamics</i> , 1992, 3, 13-18.	5.2	49
5	Nanoshell-mediated laser surgery simulation for prostate cancer treatment. <i>Engineering With Computers</i> , 2009, 25, 3-13.	6.1	49
6	Multiphysics Modeling of Plasmonic Photothermal Heating Effects in Gold Nanoparticles and Nanoparticle Arrays. <i>Journal of Physical Chemistry C</i> , 2020, 124, 17172-17182.	3.1	45
7	Optimizing heat shock protein expression induced by prostate cancer laser therapy through predictive computational models. <i>Journal of Biomedical Optics</i> , 2006, 11, 041113.	2.6	40
8	A fully coupled space-time multiscale modeling framework for predicting tumor growth. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2017, 320, 261-286.	6.6	39
9	Parallel Domain Decomposition Solver for Adaptive hp Finite Element Methods. <i>SIAM Journal on Numerical Analysis</i> , 1997, 34, 2090-2118.	2.3	38
10	Model-based planning and real-time predictive control for laser-induced thermal therapy. <i>International Journal of Hyperthermia</i> , 2011, 27, 751-761.	2.5	37
11	Heat shock protein expression and injury optimization for laser therapy design. <i>Lasers in Surgery and Medicine</i> , 2007, 39, 731-746.	2.1	36
12	Measurement and mathematical modeling of thermally induced injury and heat shock protein expression kinetics in normal and cancerous prostate cells. <i>International Journal of Hyperthermia</i> , 2010, 26, 748-764.	2.5	35
13	Local and pollution error estimation for finite element approximations of elliptic boundary value problems. <i>Journal of Computational and Applied Mathematics</i> , 1996, 74, 245-293.	2.0	33
14	Adaptive Real-Time Bioheat Transfer Models for Computer-Driven MR-Guided Laser Induced Thermal Therapy. <i>IEEE Transactions on Biomedical Engineering</i> , 2010, 57, 1024-1030.	4.2	22
15	High-fidelity Computer Models for Prospective Treatment Planning of Radiofrequency Ablation with In Vitro Experimental Correlation. <i>Journal of Vascular and Interventional Radiology</i> , 2010, 21, 1725-1732.	0.5	22
16	Simulation of temperature field for temperature-controlled radio frequency ablation using a hyperbolic bioheat equation and temperature-varied voltage calibration: a liver-mimicking phantom study. <i>Physics in Medicine and Biology</i> , 2015, 60, 9455-9471.	3.0	14
17	Optimization and real-time control for laser treatment of heterogeneous soft tissues. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2009, 198, 1742-1750.	6.6	13
18	Sensitivity analysis for radiofrequency induced thermal therapies using the complex finite element method. <i>Finite Elements in Analysis and Design</i> , 2017, 135, 11-21.	3.2	10

#	ARTICLE	IF	CITATIONS
19	Local and pollution error estimation for Stokesian flows. <i>International Journal for Numerical Methods in Fluids</i> , 1998, 27, 33-39.	1.6	8
20	Real-Time Predictive Surgical Control for Cancer Treatment Using Laser Ablation [Life Science]. <i>IEEE Signal Processing Magazine</i> , 2011, 28, 134-138.	5.6	6
21	Novel expandable architected breathing tube for improving airway securement in emergency care. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2021, 114, 104211.	3.1	5
22	Assessment and Modeling of Plasmonic Photothermal Therapy Delivered via a Fiberoptic Microneedle Device Ex Vivo. <i>Pharmaceutics</i> , 2021, 13, 2133.	4.5	5
23	The Impact of a Location-Sensing Electronic Health Record on Clinician Efficiency and Accuracy: A Pilot Simulation Study. <i>Applied Clinical Informatics</i> , 2018, 09, 841-848.	1.7	4
24	Characterization of a Novel Emergency Suction Device for Combat Medics. <i>Journal of Medical Devices, Transactions of the ASME</i> , 2019, 13, .	0.7	4
25	CrossLink: a novel method for cross-condition classification of cancer subtypes. <i>BMC Genomics</i> , 2016, 17, 549.	2.8	2
26	Characterization of thermal and optical properties in porcine pancreas tissue. <i>Lasers in Surgery and Medicine</i> , 2022, 54, 702-715.	2.1	2
27	A haptic-enabled novel approach to cardiovascular visualization. <i>Computer Animation and Virtual Worlds</i> , 2014, 25, 255-269.	1.2	1
28	Model-based real-time control for laser induced thermal therapy with applications to prostate cancer treatment. <i>Proceedings of SPIE</i> , 2009, , .	0.8	0