Yusheng Feng

List of Publications by Year
in descending order

28	729	567281	526287
papers	citations	15	27
		h-index	g-index

28	28	28	869
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Characterization of thermal and optical properties in porcine pancreas tissue. Lasers in Surgery and Medicine, 2022, 54, 702-715.	2.1	2
2	Novel expandable architected breathing tube for improving airway securement in emergency care. Journal of the Mechanical Behavior of Biomedical Materials, 2021, 114, 104211.	3.1	5
3	Assessment and Modeling of Plasmonic Photothermal Therapy Delivered via a Fiberoptic Microneedle Device Ex Vivo. Pharmaceutics, 2021, 13, 2133.	4.5	5
4	Multiphysics Modeling of Plasmonic Photothermal Heating Effects in Gold Nanoparticles and Nanoparticle Arrays. Journal of Physical Chemistry C, 2020, 124, 17172-17182.	3.1	45
5	Characterization of a Novel Emergency Suction Device for Combat Medics. Journal of Medical Devices, Transactions of the ASME, 2019, 13, .	0.7	4
6	The Impact of a Location-Sensing Electronic Health Record on Clinician Efficiency and Accuracy: A Pilot Simulation Study. Applied Clinical Informatics, 2018, 09, 841-848.	1.7	4
7	A fully coupled space–time multiscale modeling framework for predicting tumor growth. Computer Methods in Applied Mechanics and Engineering, 2017, 320, 261-286.	6.6	39
8	Sensitivity analysis for radiofrequency induced thermal therapies using the complex finite element method. Finite Elements in Analysis and Design, 2017, 135, 11-21.	3.2	10
9	CrossLink: a novel method for cross-condition classification of cancer subtypes. BMC Genomics, 2016, 17, 549.	2.8	2
10	Toward Predictive Multiscale Modeling of Vascular Tumor Growth. Archives of Computational Methods in Engineering, 2016, 23, 735-779.	10.2	65
11	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. Physics in Medicine and Biology, 2015, 60, 9455-9471.	3.0	14
12	A haptic–enabled novel approach to cardiovascular visualization. Computer Animation and Virtual Worlds, 2014, 25, 255-269.	1.2	1
13	Model-based planning and real-time predictive control for laser-induced thermal therapy. International Journal of Hyperthermia, 2011, 27, 751-761.	2.5	37
14	Real-Time Predictive Surgical Control for Cancer Treatment Using Laser Ablation [Life Science]. IEEE Signal Processing Magazine, 2011, 28, 134-138.	5.6	6
15	Adaptive Real-Time Bioheat Transfer Models for Computer-Driven MR-Guided Laser Induced Thermal Therapy. IEEE Transactions on Biomedical Engineering, 2010, 57, 1024-1030.	4.2	22
16	Measurement and mathematical modeling of thermally induced injury and heat shock protein expression kinetics in normal and cancerous prostate cells. International Journal of Hyperthermia, 2010, 26, 748-764.	2.5	35
17	High-fidelity Computer Models for Prospective Treatment Planning of Radiofrequency Ablation with In Vitro Experimental Correlation. Journal of Vascular and Interventional Radiology, 2010, 21, 1725-1732.	0.5	22
18	Nanoshell-mediated laser surgery simulation for prostate cancer treatment. Engineering With Computers, 2009, 25, 3-13.	6.1	49

#	Article	IF	Citations
19	Optimization and real-time control for laser treatment of heterogeneous soft tissues. Computer Methods in Applied Mechanics and Engineering, 2009, 198, 1742-1750.	6.6	13
20	Model-based real-time control for laser induced thermal therapy with applications to prostate cancer treatment. Proceedings of SPIE, 2009, , .	0.8	0
21	A Two-State Cell Damage Model Under Hyperthermic Conditions: Theory and In Vitro Experiments. Journal of Biomechanical Engineering, 2008, 130, 041016.	1.3	56
22	Heat shock protein expression and injury optimization for laser therapy design. Lasers in Surgery and Medicine, 2007, 39, 731-746.	2.1	36
23	Optimizing heat shock protein expression induced by prostate cancer laser therapy through predictive computational models. Journal of Biomedical Optics, 2006, 11, 041113.	2.6	40
24	Thermally Induced Injury and Heat-Shock Protein Expression in Cells and Tissues. Annals of the New York Academy of Sciences, 2005, 1066, 222-242.	3.8	89
25	Local and pollution error estimation for Stokesian flows. International Journal for Numerical Methods in Fluids, 1998, 27, 33-39.	1.6	8
26	Parallel Domain Decomposition Solver for Adaptive hp Finite Element Methods. SIAM Journal on Numerical Analysis, 1997, 34, 2090-2118.	2.3	38
27	Local and pollution error estimation for finite element approximations of elliptic boundary value problems. Journal of Computational and Applied Mathematics, 1996, 74, 245-293.	2.0	33
28	Application of the quadrature method to flexural vibration analysis of a geometrically nonlinear beam. Nonlinear Dynamics, 1992, 3, 13-18.	5.2	49