

Leonardo Bianchi

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/526375/publications.pdf>

Version: 2024-02-01

13
papers

276
citations

1040056

9
h-index

1474206

9
g-index

13
all docs

13
docs citations

13
times ranked

119
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermophysical and mechanical properties of biological tissues as a function of temperature: a systematic literature review. <i>International Journal of Hyperthermia</i> , 2022, 39, 297-340.	2.5	42
2	Quasi-distributed fiber optic sensor-based control system for interstitial laser ablation of tissue: theoretical and experimental investigations. <i>Biomedical Optics Express</i> , 2021, 12, 2841.	2.9	41
3	Closed-Loop Temperature Control Based on Fiber Bragg Grating Sensors for Laser Ablation of Hepatic Tissue. <i>Sensors</i> , 2020, 20, 6496.	3.8	40
4	Measurement of Ex Vivo Liver, Brain and Pancreas Thermal Properties as Function of Temperature. <i>Sensors</i> , 2021, 21, 4236.	3.8	35
5	Laser-induced optothermal response of gold nanoparticles: From a physical viewpoint to cancer treatment application. <i>Journal of Biophotonics</i> , 2021, 14, e202000161.	2.3	33
6	PID Controlling Approach Based on FBG Array Measurements for Laser Ablation of Pancreatic Tissues. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2021, 70, 1-9.	4.7	23
7	Thermomechanical Modeling of Laser Ablation Therapy of Tumors: Sensitivity Analysis and Optimization of Influential Variables. <i>IEEE Transactions on Biomedical Engineering</i> , 2022, 69, 302-313.	4.2	21
8	Fiber Bragg Grating Sensors-Based Thermometry of Gold Nanorod-Enhanced Photothermal Therapy in Tumor Model. <i>IEEE Sensors Journal</i> , 2022, 22, 11297-11306.	4.7	20
9	Thermal analysis of laser irradiation-gold nanorod combinations at 808nm, 940nm, 975nm and 1064nm wavelengths in breast cancer model. <i>International Journal of Hyperthermia</i> , 2021, 38, 1099-1110.	2.5	14
10	Fiber Bragg Grating Sensors for Thermometry during Gold Nanorods-mediated Photothermal Therapy in Tumor Model. , 2020, , .		5
11	Controlled photothermal therapy based on temperature monitoring: theoretical and experimental analysis. , 2021, , .		1
12	Two-dimensional temperature feedback control strategy for thermal ablation of biological tissue. , 2021, , .		1
13	Feedback-controlled thermal therapy of tissues based on fiber Bragg grating thermometers. , 2021, , .		0