

Leonardo Bianchi

List of Publications by Year in descending order

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13
papers

276
citations

1040056

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1474206

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all docs

13
docs citations

13
times ranked

119
citing authors

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