

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

22 papers	222 citations	10 h-index	14 g-index
30 ext. papers	297 ext. citations	3.7 avg, IF	3.58 L-index

#	Paper	IF	Citations
22	Investigation on nanoparticle distribution for thermal ablation of a tumour subjected to nanoparticle assisted thermal therapy. <i>Journal of Thermal Biology</i> , 2014 , 43, 70-80	2.9	41
21	Role of optical coefficients and healthy tissue-sparing characteristics in gold nanorod-assisted thermal therapy. <i>International Journal of Hyperthermia</i> , 2013 , 29, 87-97	3.7	36
20	Glycoconjugates coated gold nanorods based novel biosensor for optical detection and photothermal ablation of food borne bacteria. <i>Sensors and Actuators B: Chemical</i> , 2019 , 289, 207-215	8.5	26
19	The influence of tumour blood perfusion variability on thermal damage during nanoparticle-assisted thermal therapy. <i>International Journal of Hyperthermia</i> , 2015 , 31, 615-25	3.7	17
18	Experimental and numerical investigation of heat confinement during nanoparticle-assisted thermal therapy. <i>International Communications in Heat and Mass Transfer</i> , 2015 , 69, 11-17	5.8	14
17	Near-infrared stimulated hydrogel patch for photothermal therapeutics and thermoresponsive drug delivery. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2020 , 210, 111960	6.7	14
16	Extension of D-H parameter method to hybrid manipulators used in robot-assisted surgery. <i>Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine</i> , 2015 , 229, 703-12	1.7	13
15	Antibody assisted graphene oxide coated gold nanoparticles for rapid bacterial detection and near infrared light enhanced antibacterial activity. <i>Sensors and Actuators B: Chemical</i> , 2021 , 329, 129141	8.5	13
14	Adaptive neuro-fuzzy inference system-based path planning of 5-degrees-of-freedom spatial manipulator for medical applications. <i>Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine</i> , 2018 , 232, 726-732	1.7	11
13	Kinematic modelling of a five-DOFs spatial manipulator used in robot-assisted surgery. <i>Perspectives in Science</i> , 2016 , 8, 550-553	0.8	10
12	Pre-operative Assessment of Ablation Margins for Variable Blood Perfusion Metrics in a Magnetic Resonance Imaging Based Complex Breast Tumour Anatomy: Simulation Paradigms in Thermal Therapies. <i>Computer Methods and Programs in Biomedicine</i> , 2021 , 198, 105781	6.9	8
11	Tumor blood perfusion-based requirement of nanoparticle dose-loadings for plasmonic photothermal therapy. <i>Nanomedicine</i> , 2019 , 14, 1841-1855	5.6	4
10	Controlling Parameters for Plasmonic Photothermal Ablation of a Tumor. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2016 , 22, 1-8	3.8	3
9	D-H parameters augmented with dummy frames for serial manipulators containing spatial links 2014 ,		3
8	Kinematic modeling of a 7-degree of freedom spatial hybrid manipulator for medical surgery. <i>Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine</i> , 2018 , 232, 12-23	1.7	3
7	Exoskeleton Device for Rehabilitation of Stroke Patients Using SEMG during Isometric Contraction. <i>Advanced Materials Research</i> , 2011 , 403-408, 2033-2038	0.5	2
6	Optimization of tumor ablation volume for nanoparticle-mediated thermal therapy. <i>International Journal of Thermal Sciences</i> , 2020 , 157, 106515	4.1	1

5	Photothermal properties of stable aggregates of gold nanorods. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022 , 635, 128054	5.1	1
4	Review on the Optical Properties of Nanoparticle Aggregates Towards the Therapeutic Applications. <i>Plasmonics</i> , 2021 , 16, 1495-1513	2.4	1
3	Photothermal effects in small gold nanorod aggregates for therapeutic applications. <i>Applied Nanoscience (Switzerland)</i> ,1	3.3	1
2	Quantitative study of concentration-dependent optical characteristics of nanoparticle-embedded tumor. <i>Applied Nanoscience (Switzerland)</i> , 2021 , 11, 2589	3.3	0
1	Investigation of the Plasmonic Interaction of Gold Nanoparticles Toward Plasmonic Photothermal Therapeutics. <i>Plasmonics</i> ,1	2.4	