

Sanjeev Soni

List of Publications by Year in Descending Order

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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	Photothermal properties of stable aggregates of gold nanorods. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022 , 635, 128054	5.1	1
21	Review on the Optical Properties of Nanoparticle Aggregates Towards the Therapeutic Applications. <i>Plasmonics</i> , 2021 , 16, 1495-1513	2.4	1
20	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
19	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
18	Quantitative study of concentration-dependent optical characteristics of nanoparticle-embedded tumor. <i>Applied Nanoscience (Switzerland)</i> , 2021 , 11, 2589	3.3	0
17	Optimization of tumor ablation volume for nanoparticle-mediated thermal therapy. <i>International Journal of Thermal Sciences</i> , 2020 , 157, 106515	4.1	1
16	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
15	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
14	Tumor blood perfusion-based requirement of nanoparticle dose-loadings for plasmonic photothermal therapy. <i>Nanomedicine</i> , 2019 , 14, 1841-1855	5.6	4
13	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
12	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
11	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
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	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
8	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
7	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
6	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

LIST OF PUBLICATIONS

5	D-H parameters augmented with dummy frames for serial manipulators containing spatial links 2014,	3
4	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
3	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
2	Investigation of the Plasmonic Interaction of Gold Nanoparticles Toward Plasmonic Photothermal Therapeutics. <i>Plasmonics</i> , 1	2.4
1	Photothermal effects in small gold nanorod aggregates for therapeutic applications. <i>Applied Nanoscience (Switzerland)</i> , 1	3.3 1