Arathyram Ramachandra Kurup Sasikala

List of Publications by Year in Descending Order

20 papers	808 citations	13 h-index	21 g-index
21 ext. papers	908 ext. citations	9.1 avg, IF	4 L-index

#	Paper	IF	Citations
20	Development of self-powered multifunctional piezomagnetic nanoparticles for non-invasive post-surgical osteosarcoma theranogeneration. *Nano Energy*, **2022**, 96, 107134	17.1	4
19	Development of In-Situ Poled Nanofiber Based Flexible Piezoelectric Nanogenerators for Self-Powered Motion Monitoring. *Applied Sciences (Switzerland)*, **2020**, 10, 3493	2.6	6
18	Biocompatible superparamagnetic sub-micron vaterite particles for thermo-chemotherapy: From controlled design to in vitro anticancer synergism. *Materials Science and Engineering C*, **2020**, 106, 110226	8.3	18
17	Nanofiber-based anticancer drug delivery platform **2019**, 11-36		1
16	Strategic design of a Mussel-inspired in situ reduced Ag/Au-Nanoparticle Coated Magnesium Alloy for enhanced viability, antibacterial property and decelerated corrosion rates for degradable implant Applications. *Scientific Reports*, **2019**, 9, 117	4.9	16
15	Strategic Design and Fabrication of Biomimetic 3D Scaffolds: Unique Architectures of Extracellular Matrices for Enhanced Adipogenesis and Soft Tissue Reconstruction. *Scientific Reports*, **2018**, 8, 5696	4.9	8
14	Multifaceted Implantable Anticancer Device for Potential Postsurgical Breast Cancer Treatment: A Single Platform for Synergistic Inhibition of Local Regional Breast Cancer Recurrence, Surveillance, and Healthy Breast Reconstruction. *Advanced Functional Materials*, **2018**, 28, 1704793	15.6	23
13	Hexa-functional tumour-seeking nano voyagers and annihilators for synergistic cancer theranostic applications. *Nanoscale*, **2018**, 10, 19568-19578	7.7	4
12	Electrospun Polyurethane Nanofibrous Mats for Wound Dressing Applications **2017**, 233-246		5
11	A unique scaffold for bone tissue engineering: An osteogenic combination of graphene oxide–hyaluronic acid–chitosan with simvastatin. *Journal of Industrial and Engineering Chemistry*, **2017**, 46, 182-191	6.3	74
10	Multifunctional Nanocarpets for Cancer Theranostics: Remotely Controlled Graphene Nanoheaters for Thermo-Chemosensitisation and Magnetic Resonance Imaging. *Scientific Reports*, **2016**, 6, 20543	4.9	66
9	Electrospun zwitterionic nanofibers with in situ decelerated epithelialization property for non-adherent and easy removable wound dressing application. *Chemical Engineering Journal*, **2016**, 287, 640-648	14.7	65
8	An implantable smart magnetic nanofiber device for endoscopic hyperthermia treatment and tumor-triggered controlled drug release. *Acta Biomaterialia*, **2016**, 31, 122-133	10.8	74
7	Design and application of a smart nanodevice by combining cationic drug delivery and hyperthermia for cancer apoptosis. *Journal of Materials Chemistry B*, **2016**, 4, 785-792	7.3	11
6	Hyaluronic acid conjugated superparamagnetic iron oxide nanoparticle for cancer diagnosis and hyperthermia therapy. *Carbohydrate Polymers*, **2015**, 131, 439-46	10.3	59
5	Mussel-Inspired Electrospun Smart Magnetic Nanofibers for Hyperthermic Chemotherapy. *Advanced Functional Materials*, **2015**, 25, 2867-2875	15.6	64
4	Electrospun polyurethane-dextran nanofiber mats loaded with Estradiol for post-menopausal wound dressing. *International Journal of Biological Macromolecules*, **2015**, 77, 1-8	7.9	75

3	A smart magnetic nanoplatform for synergistic anticancer therapy: manoeuvring mussel-inspired functional magnetic nanoparticles for pH responsive anticancer drug delivery and hyperthermia. *Nanoscale*, **2015**, 7, 18119-28	7.7	51
2	Mussel-Inspired Electrospun Nanofibers Functionalized with Size-Controlled Silver Nanoparticles for Wound Dressing Application. *ACS Applied Materials & Interfaces*, **2015**, 7, 12176-83	9.5	161
1	Nanoceria doped electrospun antibacterial composite mats for potential biomedical applications. *Ceramics International*, **2014**, 40, 12003-12012	5.1	22