

# Murugaraj Jeyaraj

## List of Publications by Year in descending order

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28  
papers

1,003  
citations

430874

18  
h-index

526287

27  
g-index

28  
all docs

28  
docs citations

28  
times ranked

1249  
citing authors

#	ARTICLE	IF	CITATIONS
1	An investigation on the cytotoxicity and caspase-mediated apoptotic effect of biologically synthesized silver nanoparticles using <i>Podophyllum hexandrum</i> on human cervical carcinoma cells. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 102, 708-717.	5.0	245
2	Increased production of withanolide A, withanone, and withaferin A in hairy root cultures of <i>Withania somnifera</i> (L.) Dunal elicited with methyl jasmonate and salicylic acid. <i>Plant Cell, Tissue and Organ Culture</i> , 2013, 114, 121-129.	2.3	128
3	Effect of culture conditions, cytokinins, methyl jasmonate and salicylic acid on the biomass accumulation and production of withanolides in multiple shoot culture of <i>Withania somnifera</i> (L.) Dunal using liquid culture. <i>Acta Physiologiae Plantarum</i> , 2013, 35, 715-728.	2.1	50
4	Silver nanoparticle functionalized CS-g-(CA-MA-PZA) carrier for sustainable anti-tuberculosis drug delivery. <i>International Journal of Biological Macromolecules</i> , 2018, 118, 1627-1638.	7.5	50
5	Sericin-chitosan doped maleate gellan gum nanocomposites for effective cell damage in <i>Mycobacterium tuberculosis</i> . <i>International Journal of Biological Macromolecules</i> , 2019, 122, 174-184.	7.5	46
6	Thermoresponsive and pH triggered drug release of cholate functionalized poly(organophosphazene) poly(lactic acid) co-polymeric nanostructure integrated with ICG. <i>Polymer</i> , 2017, 133, 119-128.	3.8	43
7	Sericin/RBA embedded gellan gum based smart nanosystem for pH responsive drug delivery. <i>International Journal of Biological Macromolecules</i> , 2018, 120, 1561-1571.	7.5	43
8	Localized delivery of active targeting micelles from nanofibers patch for effective breast cancer therapy. <i>International Journal of Pharmaceutics</i> , 2020, 584, 119412.	5.2	43
9	Biogenic metal nanoformulations induce Bax/Bcl2 and caspase mediated mitochondrial dysfunction in human breast cancer cells (MCF 7). <i>RSC Advances</i> , 2015, 5, 2159-2166.	3.6	35
10	Sustainable pectin fascinating hydroxyapatite nanocomposite scaffolds to enhance tissue regeneration. <i>Sustainable Chemistry and Pharmacy</i> , 2017, 5, 46-53.	3.3	31
11	Magneto-chemotherapy for cervical cancer treatment with camptothecin loaded Fe <sub>3</sub> O <sub>4</sub> functionalized $\beta$ -cyclodextrin nanovehicle. <i>RSC Advances</i> , 2017, 7, 46271-46285.	3.6	31
12	Co-encapsulation of dual drug loaded in MLNPs: Implication on sustained drug release and effectively inducing apoptosis in oral carcinoma cells. <i>Biomedicine and Pharmacotherapy</i> , 2018, 104, 661-671.	5.6	31
13	Surface functionalization of natural lignin isolated from <i>Aloe barbadensis</i> Miller biomass by atom transfer radical polymerization for enhanced anticancer efficacy. <i>RSC Advances</i> , 2016, 6, 51310-51319.	3.6	29
14	Mineralization of bioactive marine sponge and electrophoretic deposition on Ti-6Al-4V implant for osteointegration. <i>Surface and Coatings Technology</i> , 2020, 392, 125727.	4.8	29
15	Polyorganophosphazene stabilized gold nanoparticles for intracellular drug delivery in breast carcinoma cells. <i>Process Biochemistry</i> , 2018, 72, 152-161.	3.7	25
16	Agrobacterium-mediated transformation of the medicinal plant <i>Podophyllum hexandrum</i> Royle (syn. P.) Tj ETQq0 0.0 µgBT / Overlock 10	2.3	24
17	Development of cholate conjugated hybrid polymeric micelles for FXR receptor mediated effective site-specific delivery of paclitaxel. <i>New Journal of Chemistry</i> , 2018, 42, 17021-17032.	2.8	22
18	Injectable cuttlefish HAP and macromolecular fibroin protein hydrogel for natural bone mimicking matrix for enhancement of osteoinduction progression. <i>Reactive and Functional Polymers</i> , 2021, 160, 104841.	4.1	22

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19	Assembling of multifunctional latex-based hybrid nanocarriers from <i>Calotropis gigantea</i> for sustained (doxorubicin) DOX releases. <i>Biomedicine and Pharmacotherapy</i> , 2017, 87, 461-470.	5.6	17
20	Self-assembled hydrogel nanocube for stimuli responsive drug delivery and tumor ablation by phototherapy against breast cancer. <i>International Journal of Biological Macromolecules</i> , 2022, 213, 435-446.	7.5	17
21	Fabrication of bone-targeting hyaluronic acid coupled alendronate-bioactive glass for osteosarcoma therapy. <i>Materials Chemistry and Physics</i> , 2021, 273, 125146.	4.0	15
22	Biosynthesized/green-synthesized nanomaterials as potential vehicles for delivery of antibiotics/drugs. <i>Comprehensive Analytical Chemistry</i> , 2021, 94, 363-432.	1.3	10
23	Nano Ag@bioactive microspheres from marine sponge <i>Clathria frondifera</i> : Fabrication, fortification, characterization, anticancer and antibacterial potential evaluation. <i>Environmental Research</i> , 2022, 206, 112282.	7.5	5
24	An all-in-one nanomaterial derived from rGO-MoS <sub>2</sub> for photo/chemotherapy of tuberculosis. <i>New Journal of Chemistry</i> , 2022, 46, 6433-6445.	2.8	4
25	Optimization of Carbon Source for Hairy Root Growth and Withaferin A and Withanone Production in <i>Withania somnifera</i> . <i>Natural Product Communications</i> , 2012, 7, 1934578X1200701.	0.5	3
26	Engineered Hyaluronic Acid-Based Smart Nanoconjugates for Enhanced Intracellular Drug Delivery. <i>Journal of Pharmaceutical Sciences</i> , 2023, 112, 1603-1614.	3.3	3
27	Immunomodulating polyorganophosphazene-arginine layered liposome antibiotic delivery vehicle against pulmonary tuberculosis. <i>Journal of Drug Delivery Science and Technology</i> , 2021, 66, 102856.	3.0	2
28	Approaches toward designing nanocarriers for tuberculosis drug delivery. , 2021, , 59-89.		0