

Rajendiran Rajesh

List of Publications by Year in descending order

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37
papers

540
citations

858243

12
h-index

799663

21
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37
all docs

37
docs citations

37
times ranked

831
citing authors

#	ARTICLE	IF	CITATIONS
1	Rabies virus glycoprotein- and transferrin-functionalized liposomes to elevate epigallocatechin gallate and FK506 activity and mediate MAPK against neuronal apoptosis in Parkinson's disease. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2022, 132, 104142.	2.7	2
2	Functionalized drug-gene delivery materials to transport inhibitor of apoptosis protein antagonists for tumor malignancy management. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2022, 133, 104283.	2.7	2
3	Enhanced activity of AZD5582 and SM-164 in rabies virus glycoprotein-lactoferrin-liposomes to downregulate inhibitors of apoptosis proteins in glioblastoma. <i>Materials Science and Engineering C</i> , 2022, 133, 112615.	3.8	10
4	Regeneration of insulin-producing cells from iPS cells using functionalized scaffolds and solid lipid nanoparticles. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2022, 135, 104387.	2.7	2
5	Suppressed XIAP and cIAP expressions in human brain cancer stem cells using BV6- and GDC0152-encapsulated nanoparticles. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2022, 135, 104394.	2.7	5
6	Use of leptin-conjugated phosphatidic acid liposomes with resveratrol and epigallocatechin gallate to protect dopaminergic neurons against apoptosis for Parkinson's disease therapy. <i>Acta Biomaterialia</i> , 2021, 119, 360-374.	4.1	37
7	Enhanced integrin affinity and neural differentiation of induced pluripotent stem cells using Ln5-P4-grafted amphiphilic solid lipid nanoparticles. <i>Materials Science and Engineering C</i> , 2021, 118, 111339.	3.8	7
8	Glutathione Liposomes Carrying Ceftriaxone, FK506, and Nilotinib to Control Overexpressed Dopamine Markers and Apoptotic Factors in Neurons. <i>ACS Biomaterials Science and Engineering</i> , 2021, 7, 3242-3255.	2.6	6
9	Glutathione- and apolipoprotein E-grafted liposomes to regulate mitogen-activated protein kinases and rescue neurons in Alzheimer's disease. <i>Materials Science and Engineering C</i> , 2021, 127, 112233.	3.8	13
10	Dual-sized inverted colloidal crystal scaffolds grafted with GDF-8 and Wnt3a for enhancing differentiation of iPS cells toward islet β^2 -cells. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2021, 126, 371-382.	2.7	4
11	Astragaloside IV- and nesfatin-1-encapsulated phosphatidylserine liposomes conjugated with wheat germ agglutinin and leptin to activate anti-apoptotic pathway and block phosphorylated tau protein expression for Parkinson's disease treatment. <i>Materials Science and Engineering C</i> , 2021, 129, 112361.	3.8	12
12	Particulate systems for improving therapeutic efficacy of pharmaceuticals against central nervous system-related diseases. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2020, 114, 12-23.	2.7	12
13	iPSCs-laden GDF8-grafted aldehyde hyaluronic acid-polyacrylamide inverted colloidal crystal constructs with controlled release of CHIR99021 and retinoic acid to generate insulin-producing cells. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2020, 116, 223-237.	2.7	1
14	Biomaterial-based drug delivery systems used to improve chemotherapeutic activity of pharmaceuticals and to target inhibitors of apoptosis proteins. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2020, 111, 1-10.	2.7	6
15	Inhibition of glioblastoma and macrophage phagocytosis using sialic acid-grafted tamoxifen-carmustine-polyethyleneimine-poly(lactic-co-glycolic acid) nanoparticles. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2020, 111, 302-311.	2.7	4
16	Dual functional liposomes carrying antioxidants against tau hyperphosphorylation and apoptosis of neurons. <i>Journal of Drug Targeting</i> , 2020, 28, 949-960.	2.1	9
17	Multiple-component dual-phase solid lipid nanoparticles with conjugated transferrin for formulating antioxidants and nerve growth factor against neuronal apoptosis. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2020, 110, 140-152.	2.7	9
18	Electrophoretic mobility of neuron-like cells regenerated from iPSCs with induction of retinoic acid- and nerve growth factor-loaded solid lipid nanoparticles. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2019, 103, 167-176.	2.7	1

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19	Challenges in the treatment of Alzheimer's disease: recent progress and treatment strategies of pharmaceuticals targeting notable pathological factors. <i>Expert Review of Neurotherapeutics</i> , 2019, 19, 623-652.	1.4	17
20	Self-assembled ternary poly(vinyl alcohol)-alginate-gelatin hydrogel with controlled-release nanoparticles for pancreatic differentiation of iPS cells. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2019, 104, 27-39.	2.7	12
21	Optimized liposomes with transactivator of transcription peptide and anti-apoptotic drugs to target hippocampal neurons and prevent tau-hyperphosphorylated neurodegeneration. <i>Acta Biomaterialia</i> , 2019, 87, 207-222.	4.1	38
22	Targeting human brain cancer stem cells by curcumin-loaded nanoparticles grafted with anti-aldehyde dehydrogenase and sialic acid: Colocalization of ALDH and CD44. <i>Materials Science and Engineering C</i> , 2019, 102, 362-372.	3.8	43
23	Protection against Neurodegeneration in the Hippocampus Using Sialic Acid- and 5-HT-Moduline-Conjugated Lipopolymer Nanoparticles. <i>ACS Biomaterials Science and Engineering</i> , 2019, 5, 1311-1320.	2.6	8
24	Targeted delivery of etoposide, carmustine and doxorubicin to human glioblastoma cells using methoxy poly(ethylene glycol)-poly(ϵ -caprolactone) nanoparticles conjugated with wheat germ agglutinin and folic acid. <i>Materials Science and Engineering C</i> , 2019, 96, 114-128.	3.8	36
25	Iron oxide-entrapped solid lipid nanoparticles and poly(lactide-co-glycolide) nanoparticles with surfactant stabilization for antistatic application. <i>Journal of Materials Research and Technology</i> , 2019, 8, 887-895.	2.6	5
26	Use of functionalized liposomes loaded with antioxidants to permeate the blood-brain barrier and inhibit β -amyloid-induced neurodegeneration in the brain. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2018, 87, 1-14.	2.7	37
27	Current development of nanocarrier delivery systems for Parkinson's disease pharmacotherapy. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2018, 87, 15-25.	2.7	17
28	Regulation of human brain vascular pericytes and human astrocytes in a blood-brain barrier model using human brain microvascular endothelial cells: Expression of TGF- β 1, VEGF, MMP-9 and P-gp. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2018, 86, 9-17.	2.7	11
29	Pancreatic differentiation of induced pluripotent stem cells in activin A-grafted gelatin-poly(lactide-co-glycolide) nanoparticle scaffolds with induction of LY294002 and retinoic acid. <i>Materials Science and Engineering C</i> , 2017, 77, 384-393.	3.8	22
30	Chitosan/ β -poly(glutamic acid) scaffolds with surface-modified albumin, elastin and poly-L-lysine for cartilage tissue engineering. <i>Materials Science and Engineering C</i> , 2017, 78, 265-277.	3.8	36
31	Guided differentiation and tissue regeneration of induced pluripotent stem cells using biomaterials. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2017, 77, 41-53.	2.7	11
32	A critical overview of therapeutic strategy and advancement for Alzheimer's disease treatment. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2017, 77, 92-105.	2.7	11
33	Recent advances in the treatment of glioblastoma multiforme by inhibiting angiogenesis and using nanocarrier systems. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2017, 77, 30-40.	2.7	3
34	Nerve growth factor-loaded heparinized cationic solid lipid nanoparticles for regulating membrane charge of induced pluripotent stem cells during differentiation. <i>Materials Science and Engineering C</i> , 2017, 77, 680-689.	3.8	29
35	Alginate in Bone Tissue Engineering. , 2017, , 349-368.		2
36	Targeted delivery of rosmarinic acid across the blood-brain barrier for neuronal rescue using polyacrylamide-chitosan-poly(lactide-co-glycolide) nanoparticles with surface cross-reacting material 197 and apolipoprotein E. <i>International Journal of Pharmaceutics</i> , 2017, 528, 228-241.	2.6	39

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37	Development of a new carbon nanotube–alginate–hydroxyapatite tricomponent composite scaffold for application in bone tissue engineering. International Journal of Nanomedicine, 2015, 10 Suppl 1, 7.	3.3	21